

# Standard Functions

Standard Functions, or built-in functions, refer to specific functions by name. Functions are available to all users of a project. If a project is imported, the same files and functions, from the original project, is available to the cloned project.

## Note

- 1) Functions are code sensitive.
- 2) When you use functions, the string objects must be enclosed in single quotes.

<u>Function</u>	<u>Description</u>	<u>Examples</u>
<b>ADDXML(String xml)</b>	This function adds XML structure to the present element. This function is used when the source application doesn't expose their fields in their API. A user can map the field by modifying the XML structure to post back. This will add the XML on the root node of the target XML structure.	<p>Mapping: &lt;TargetField&gt; = { ADDXML("&lt;/xml element&gt;");return "";}  <b>Example: Database fields</b>  <b>Trigger:</b> select id,firstname from Contact  The above query fetches id, firstname from Contact table.  The table also has "contactaddress" field.  "contactaddress" field in the target schema is mapped to Name = {ADDXML("&lt;address&gt;" +VAL+&lt;/address&gt;")}  However, the source field can be mapped to contactaddress column of the database.</p>
<b>ADDXML(String xPath, String xml)</b>	This function appends the XML structure to the XPath passed. This function is used when the source application doesn't expose fields through API. A user can map the field and parse the data.	<p>Let us take an example of custom field \$SalesRep.</p> <p>Map this field to the SalesRep custom field in the SalesRep table.</p> <p>To map this field, type custom field name (\$SalesRep) in the field (QuickBook online). And then, add the following mapping:</p> <pre> Mapping: &lt;TargetField&gt; = {     ADDXML("&lt;CustomField&gt;&lt;DefinitionId&gt;2&lt;/DefinitionId&gt;            &lt;Name&gt;SalesRep&lt;/Name&gt; : The customer            &lt;StringValue&gt;"+VALUE("SalesRep")            &lt;/CustomField&gt;");return "";}   </pre> <p>Where:</p> <p>&lt;DefinitionId&gt;2&lt;/DefinitionId&gt; : Position of the SalesRep custom field.</p> <p>&lt;Name&gt;SalesRep&lt;/Name&gt; : The customer name.</p> <p>&lt;StringValue&gt;"+VALUE("SalesRep") : Value of the SalesRep custom field.</p>
<b>AND (boolean booleanExp1, boolean booleanExp2)</b>	This function is used to check more than one condition/expression at the same time. It returns true only if both the conditions are met; or else, it returns false.	<p>Mapping: &lt;TargetField&gt; = AND(booleanExp1, booleanExp2)</p> <p><b>Example :</b> &lt;TargetField&gt; = AND(VALUE("Type")=="Key Account", VALUE("Stage")=="Closed Won")  From the above example, the function returns true if the value of the "Type" is "Key Account" and, the value of the "Stage" is "Closed Won" and, the Ty</p>

<b>ASNUMBER</b> (String value)	This function checks if a supplied value is a number. And then, it returns the actual number passed; or else, it returns zero.	MAPPING: <TargetField> = ASNUMBER(  <b>&lt;TargetField&gt; = ASNUMBER("123")</b>  If the value for the number of employees a value zero. In this example, the value the function will return 123.
<b>CLEAN</b> (String s1, String s2)	This function removes all non-printable characters from a supplied string value.  <b>Note:</b> The clean function removes the first 32 (non-printable) characters in the 7-bit ASCII code from the text.	Mapping: <TargetField> = CLEAN("Str  <b>Example: &lt;TargetField&gt; = CLEAN (A01</b>  In the above example, the function remc and returns the output as "Alan".
<b>CONCATENATE</b> (String... strings )	This function allows you to join two or more text strings together.	Mapping: <TargetField> = CONCATENATE(  <b>Example: passing text values</b>  <b>&lt;TargetField&gt; = CONCATENATE("It's</b>  The value returned by the function from
<b>CODE</b> (String s)	This function returns the numeric code of the first character of a supplied text value.	Mapping: <TargetField> = CODE("text v  <b>Example : &lt;TargetField&gt; = CODE("Ala</b>  In the above example the function return in the supplied text - namely, "Alan Musl "A" is returned as 65.
<b>DATE</b> (String dateString)	This function reads a date string and returns it in the format of "yyyyMMdd-HHmmssZ".	Mapping: <TargetField> = DATE("date s  <b>Example : &lt;TargetField&gt; = DATE("03-</b>  The value returned would be transforme
<b>DATE</b> (String dateString, String inputFormat)	This function reads a date string and returns the date string as per user-specified date format.  If the user-specified date format is not passed then, it passes date string as "yyyyMMdd-HHmmssZ".	Mapping: <TargetField> = DATE(VALUE  <b>Example : &lt;TargetField&gt; = DATE(VAL</b>  The value of lasttransferdate is Mar-12-2 the <b>DATE()</b> function will return value as
<b>DATE</b> (String dateString, String inputFormat, String outputFormat)	This function reads a date string and returns the date string as per user-specified date output format.  If the user-specified date input format is not passed then it returns date string as "yyyyMMdd-HHmmssZ".	Mapping: <TargetField> = DATE(VALUE  <b>Example : &lt;TargetField&gt;= DATE(DATI</b>  "yyyy-MM-dd'T'HH:mm:ss'Z'"  The value of createddate is 03-12-2010 function will return value as 2010-12-03"
<b>DOLLAR</b> (Arg 0)	This function is currently not supported.	

<b>EQUALS</b> (String v1, String v2)	This function compares two string values and returns true if both the values are an exact match; otherwise, it returns false(case-insensitive).	Mapping: <TargetField> = EQUALS(VALUE( <b>Example:</b> <TargetField> = EQUALS("s From the above example the function re and the second string does not match.
<b>ERROR()</b>	This function can be used to get the error message for errors during writing to target. This is used in status write back, once an attempt has been made to write the record to the target.	Mapping: <TargetField> = ERROR()  Example: There is an invalid reference to "Dialysis Center of NW Arkansas: Hidden SalesOrder. QuickBooks error message The specified record does not exist in the From the above example, there is an error in QuickBooks sales order and this error m
<b>EXACT</b> (String str1, String str2)	This function compares two string values and returns true if both the values are an exact match; otherwise, it returns false(case-sensitive).	Mapping: <TargetField> = EXACT(VALUE( <b>Example :</b> <TargetField> = EXACT(VA The above example will return true as the value of second attribute is also "Chris".
<b>FAST_TLOOKUP</b> (String query)	This function looks up a given Id from a passed query and returns the corresponding value. This function is the same as the TLOOKUP function. However, the function executes based on writer batch size for faster execution.  Note: You shouldn't use the special character on the function. The return value of FAST_TLOOKUP 1. should not start with a hyphen 2. should not end with hyphen and 3. should not be Null.	Mapping: <TargetField> = FAST_TLOOKUP( <b>Example:</b> QuickBooks Invoice to Sale AccountID = FAST_TLOOKUP("Select In the above example, we are updating the by reading invoice records from QuickBooks will fetch the customer List ID (in this case, If a match is found between List id and \$ that the customer's record exists in Sale
<b>FIND</b> (String findText, String withinText)	This function returns the position of the first string parameter, within the supplied second string parameter.	Mapping: <TargetField> = FIND(VALUE( <b>Example:</b> <TargetField> = FIND("arch","search" In this example, pass the first string as "arch". The FIND() function will return the position of "arch" in "search". The FIND() function will return 3 as the value. <b>Note:</b> If the find text parameter finds val the function returns the position of the val

<b>FIND</b> (String findText, String withinText, int startNum)	This function returns the position of the first string parameter within the supplied second string parameter from the passed start index.	<p>Mapping: TargetField = FIND(VALUE("S  <b>TargetField = FIND("arch","search",2)</b></p> <p>In this example, pass the first string as "arch". The <b>FIND()</b> function will search the string "arch" within the "search" string and return the 2nd position of the "search" string as 3. The function return 3 and first two characters of "arch".</p> <p><b>Note:</b> If the findText parameter finds value within the withinText parameter, then the function returns the position of the findText parameter.</p>
<b>FIXED</b> (Double)	This function rounds the decimal values up to two digits and returns the round off value.	<p>Mapping: &lt;TargetField&gt; = FIXED("source",12.6789)  <b>&lt;TargetField&gt; = FIXED(12.6789)</b></p> <p>In the price field the value passed is 12.6789. The function will return the price value as 12.68.</p>
<b>FIXED</b> (Double, Integer)	This function rounds a supplied number to a specified number of decimal places.	<p>Mapping: &lt;TargetField&gt; = FIXED("source",14.789,1)  <b>&lt;TargetField&gt; = FIXED(14.789,1)</b></p> <p>In the price field the value passed is 14.789. The function will return the price value as 14.8.</p>
<b>FIXED</b> (Double, Integer, Boolean)	This function is currently not supported	
<b>FORMAT</b> (String value, String format)	This function transforms the numeric string passed in the first parameter based on the format passed in the second parameter. Then, it returns the transformed number as a string.	<p>Mapping: &lt;TargetField&gt; = FORMAT("Source",12,"0.00#")  <b>&lt;TargetField&gt; = FORMAT("12","0.00#")</b></p> <p>In the above example, pass the first parameter as 12. The function will return the value as 12.00.</p>
<b>GETROOTVALUE</b> (String elementName)	This function returns the immediate parent node of XML element.	<p>Mapping: &lt;TargetField&gt; = GETROOTVALUE("Contact")  <b>&lt;TargetField&gt; = GETROOTVALUE(&lt;Contact&gt;&lt;Name&gt;John&lt;/Name&gt;&lt;/Contact&gt;)</b></p> <p>The "Name" attribute will be compared in the immediate parent node.</p>
<b>GETSOURCEXML2STRING</b> ()	This function returns the string formatted XML structure of the row.	<p>Mapping: &lt;TargetField&gt; = GETSOURCEXML2STRING()  <b>&lt;TargetField&gt; = GETSOURCEXML2STRING(&lt;items&gt;&lt;item id="0001" type="donut"&gt;&lt;/item&gt; ... &lt;/items&gt;)</b></p> <p>The XML elements are returned as a string.</p>

<b>GETSOURCEXML2STRING</b> (String elementName)	This function returns the string formatted XML structure of the row, for the element name passed.	Mapping: <TargetField> = GETSOURCEXML2STRING(elementName)  <b>Example :</b> <TargetField> = GETSOURCEXML2STRING('batters') <items> <item id="0001" type="donut"> id="5001">None</topping> <topping id=5002>Regu The "batters" node element is found in the XML file. <batters> <batter id="1001">Regular</batter></batt In this example, the <b>GETSOURCEXML2STRING</b> function is used to extract the XML structure of the "batters" node.
<b>IF</b> (Boolean condition, String trueValue, String falseValue)	This function tests the user-defined condition and returns one result if the condition is true, and another if the condition is false.	Mapping : <TargetField> = IF(String,Int,Boolean)  <b>Example :</b> <TargetField> = IF(ISEMPTY(VALUE("first_name")),"", "John") In this case, the <b>IF</b> function checks for the value of the first name field. If it is empty, it returns an empty string; otherwise, it returns "John".
<b>ISEMPTY</b> (String s)	This function returns true if the variable is uninitialized or explicitly set to empty; otherwise, it returns false.	Mapping: <TargetField> = ISEMPTY("second_name")  <b>Example :</b> <TargetField> = ISEMPTY(VALUE("second_name")) In the above example, the first name field is empty, so the <b>ISEMPTY</b> function returns true.
<b>ISNULL</b> (String s)	This function checks if the passed value is null then, it returns true; or else, it returns false.	Mapping: <TargetField> = ISEMPTY("last_name")  <b>Example :</b> <TargetField> = ISNULL(VALUE("last_name")) In the above example, the first name field is null, so the <b>ISNULL</b> function returns true.
<b>LEFT</b> (String var)	This function returns the first character of the supplied string which is on left hand side.	Mapping: <TargetField> = LEFT(VALUE("search"))  <b>Example: passing a string</b> <TargetField> = LEFT("search") In this example, pass a string as "search".
<b>LEFT</b> (String var, int count)	This function returns the specified number of characters from the left of the given string.	Mapping: <TargetField> = LEFT(VALUE("sea"),3)  <b>Example: passing a string</b> <TargetField> = LEFT("search",3) In this example, pass the first parameter as "sea".  <b>Note:</b> If the length of the passed string is less than the count, the function will return the entire string.
<b>LEN</b> (String var)	This function returns the length of a given string.	Mapping: <TargetField> = LEN(String)  <b>Example : passing a string</b> <TargetField> = LEN("search") In this example, pass the string as "search".

<b>LINK</b> (String colName, String value)	This function reads the second parameter passed through this function and sets it as an attribute to the column name which is passed through the first parameter.  <b>Note:</b> This function is deprecated and an alternative function could be MEMLOOKUP orTLOOKUP functions.	Mapping: <TargetField> = LINK(VALUE(  <TargetField> = LINK(VALUE("Name")  In the "Name" node, the "Id" value will be returned back.
<b>LINK</b> (String colName, String query, String fieldName, String refValue, String objectName)	The Link function is used to update Salesforce (Target) field with a source value based on the source identifier that remains unique across <b>Salesforce</b> (Target) as well as <b>Source</b> (Ex: Quickbooks) application.  The function creates an internally cached table querying the target (Salesforce) database with two columns - the first column being the primary key for the table; and, the second for the other column name.  It then looks for a string that is the same across both the Source and Target system before updating the Target LOOK-UP(Salesforce) field with the Source field value.	<b>Example: Mapping:</b>  <pre>AVSFQuickBooks__Opportunity "Select id,AVSFQuickBooks__Name "AVSFQuickBooks__Opportunity" "Opportunity" )</pre>  <p>In the above example, we are creating a look-up field AVSFQuickBooks__Opportunity where AVSFQuickBooks__Name is the transaction Id "TxID" from the QuickBooks application and AVSFQuickBooks__Opportunity is the Salesforce field A__Opportunity. It then does a lookup on the AVSFQuickBooks__Opportunity field with that of QuickBooks application.</p>  <p>In order to update the AVSFQuickBooks__Opportunity field, we are creating a look-up field AVSFQuickBooks__Opportunity where AVSFQuickBooks__Name is the transaction Id "TxID" from the QuickBooks application and AVSFQuickBooks__Opportunity is the Salesforce field A__Opportunity. It then does a lookup on the AVSFQuickBooks__Opportunity field with that of QuickBooks application.</p>
<b>LINK</b> (String colName, String query, String fieldName, String refValue, String objectName, String valueField)	The function creates an internally cached table querying the target (Salesforce) database with two columns - first column being the primary key for the table; and, the second for the other column name.	Mapping: <TargetField> = LINK(VALUE(  <b>Example : &lt;TargetField&gt; = LINK(VALUE(</b>  In "Name" node, default attribute values here it is "Id", will be returned back.
<b>LOG()</b>	This function is used to print the value of a parameter passed to the DBSync console. It can be used for debugging.	Mapping: <TargetField> = LOG(VALUE(  <b>Example : &lt;TargetField&gt; = {LOG("****")}</b>  The log function gets the value of the target field.

<b>LOOP</b>	<p>This function is different from the conventional '=' operator to map source and target.</p> <p>&lt;SourceField "loop" TargetField&gt; is used in scenarios where grouping the Line Items are required based on the target identifier. It can also be used when the identifier is unique and the same across both source and target systems.</p>	<p><b>Example1: Salesforce Opportunity Line Item</b></p> <p>Mapping &lt;TargetField&gt; : InvoiceAddRq/LineItem</p> <p>In the above example, for every opportunity record, we are creating multiple line items.</p> <p><b>Example2: Source - Database ; Target - Quickbooks</b></p> <p>Database Query : select invoice_no,cus_id from invoice</p> <p>Mapping : InvoiceAddRq/InvoiceAdd/LineItem</p> <p>In the above example, we are using the Quickbooks Invoice Line Item.</p> <p>For instance, if the database Invoice tab has multiple rows, instead of creating one Invoice for each row, we will create one Invoice for all the rows.</p>
<b>LOOKUP(String adapterName, String queryString)</b>	<p>This function searches for a specific value in the source connector where the condition is passed in the form of a query to be searched on the first parameter.</p>	<p>Mapping: &lt;TargetField&gt; = LOOKUP("so", "SELECT cus_id FROM customer WHERE cus_name = \$1")</p> <p><b>Example:&lt;TargetField&gt; = LOOKUP("SO", "SELECT cus_id FROM customer WHERE cus_name = \$1")</b></p> <p>The above example with fetch the Id from the customer table.</p>
<b>LOWER (String var)</b>	<p>This function converts all characters in a given string to lowercase.</p>	<p>Mapping: &lt;TargetField&gt; = LOWER(String var)</p> <p><b>Example: passing a string</b></p> <p>In this example, pass a string as "SEARCH"</p> <p>&lt;TargetField&gt; = LOWER("SEARCH")</p> <p>The function will return "SEARCH" as "s".</p>
<b>LPAD(String text, String pattern, int pad)</b>	<p>This function is used to pad the left side of a string with a specific set of characters. The integer is the total length of the string returned after padding.</p>	<p>Mapping: &lt;TargetField&gt; = LPAD(VALUE, "000", 5)</p> <p><b>Example1: &lt;TargetField&gt; = LPAD("tech", "000", 5)</b></p> <p>The function will return result as "tech or 000tech".</p> <p><b>Example2: &lt;TargetField&gt; = LPAD("tech", "000", 10)</b></p> <p>The function will return the result as "000tech000".</p>
<b>LSPLIT(String text, String splitter)</b>	<p>This function returns the split value of the string starting from the left side of a string till the splitter value.</p>	<p>Mapping: &lt;TargetField&gt; = LSPLIT(VAL, "000", 1)</p> <p><b>Example: &lt;TargetField&gt; = LSPLIT ("tech or 000tech", "000", 1)</b></p> <p>The <b>LSPLIT()</b> would return the result as "tech".</p>
<b>MAP(String key, String...mapEntries)</b>	<p>This function returns the value against the key passed from the key-value pair(s) passed via the second parameter of the function.</p>	<p>Mapping: &lt;TargetField&gt; = MAP(VALUE, {"key": "myKey", "value": "myValue"})</p> <p><b>Example: &lt;TargetField&gt; = MAP("myKey", "myValue")</b></p> <p>The MAP function will return "myValue".</p>

<b>MEMTABLE</b> (String cacheldentifier, String query)	This function creates a data cache in the system. This data cache will be referred to using cacheldentifier. Once MEMTABLE function is called, the cacheldentifier passed can be used to search data in the query (executed against the target connector).	MAPPING: MEMTABLE(StringCacheldelde  <b>Example: Database Table</b>  <b>MEMTABLE("AccountID", "Select ID, I</b> In this example, a cache with the name 'AccountID' is created. Assuming we have a_01Name1, b_01Name2 in the database.
<b>MEMLOOKUP</b> (String cacheldentifier, String key)	This function returns value against the key in the dataset referred by the cacheldentifier.	Mapping: <TargetField> = MEMLOOKUP(  <b>Example:</b>  <b>&lt;TargetField&gt; = MEMLOOKUP("Acco</b>  In this example, AccountID is the name of the cache. This function call will return "Name1" as cacheldentifier. In ideal scenarios, second parameter will be omitted.  For MEMLOOKUP to work, we need to register the cache.
<b>MEMLOOKUPREGEX</b> (String cacheldentifier, String key, String regex)	This function is similar to MEMLOOKUP function with an additional check of a regular expression against the key name.  If the passed key matches the pattern passed in the regex, it will return the corresponding value; otherwise, it will return an empty string.	Mapping: <TargetField> = MEMLOOKUP(  <b>Example:</b>  <b>&lt;TargetField&gt; = MEMLOOKUP("Acco</b> The above adds an additional regex parameter to check if the key doesn't start with "a_".
<b>MID</b> (String text, Int startNum, Int numChars)	This function extracts a substring from the string and returns the substring.	Mapping: <TargetField> = MID(VALUE('Firstnam  <b>Example : &lt;TargetField&gt; = MID(VALUE('Firstnam</b> In this example, the value of "Firstname" is extracted.
<b>NOTEQUALS</b> (String v1, String v2)	This function compares the value with another value and returns true if it is not equal; or else, it returns false.	Mapping: <TargetField> = NOTEQUALS(  <b>Example : &lt;TargetField&gt; = NOTEQUA</b>  This function compares "USD" against a value.
<b>OR</b> (boolean exp1, boolean exp2)	This function evaluates the conditions passed through the function and returns true if any one of the condition evaluates to true; otherwise, it returns false.	Mapping: <TargetField> = OR(Boolean,  <b>Example : &lt;TargetField&gt; = OR(VALUE('Firstnam</b> In the above function, the 'firstname' has value 'John' and 'lastname' has value 'Doe'. Both return true, so the result is true.
<b>PARAM</b> (String name)	This function PARAM extracts the values from the session which is in the format PARAM.SOURCE_Object.Variable=PARAM.TARGET_Object.Variable and returns the variable value.	Mapping: <TargetField> = PARAM("strin  <b>Example :&lt;TargetField&gt; = PARAM(VA</b> If the value of "Description" starts with "F", then the result is true.

<b>PARAM_PARENT</b> (String name)	This function PARAM extracts the values from the session which is in the format PARAM.SOURCE_Object.Variable=PARAM.TARGET_Obj ect/Variable and returns the parent value.	Mapping: <TargetField> = PARAM_PAR  <b>Example:</b> <TargetField> = PARAM_PA If the value of "Description" starts with "F
<b>PARENTVALUE</b> (String name)	This function reads any node elements and returns the immediate parent value of the node element passed.	Mapping: <TargetField> = PARENTVAL  <b>Example :</b> Salesforce object fields  <b>Trigger:</b> select Id, name, account.name  The above query will retrieve ID, Name :  <TargetField> = PARENTVALUE("Acc This function retrieves the value of the A
<b>PARENTVALUEATTR</b> (String path, String attr)	This function reads the passed node element and returns attributes of the immediate parent node.	Mapping: <TargetField> = PARENTVAL  <b>Example :</b> <TargetField> = PARENTV/ <CustomerRef> <Name>Alan</Name> </CustomerRef>  In this example the CustomerRef object
<b>PROPER</b> (String text)	This function reads a string and converts the first letter of a word to upper case and rest of the alphabets in a word to lower case. This is used to represent camel notation.	Mapping: <TargetField> = PROPER("Sc  <b>Example:</b> <TargetField> = PROPER("S In this example, since Pass string has "S
<b>REPLACE</b> (String oldText, Int startNum, Int numChars, String newText)	This function replaces a full string, or a part of string text, with another text string from the position sent through parameter i.e. startNum.	Mapping: <TargetField> = REPLACE(V/  <b>Example:</b> Pass a string <TargetField> = REPLACE("search",3 In this example, Pass string has - (1) "se "a" as the replacement string. The REPI "search".
<b>REPT</b> (String text, Int numberOfTimes)	This function returns a string consisting of a supplied text string, repeated specified number of times.	Mapping: <TargetField> = REPT(VALUE  <b>Example:</b> <TargetField> = REPT("tech In the above example, the function REP
<b>RIGHT</b> (String var)	This function returns a rightmost character of the string value passed.	Mapping: <TargetField> = RIGHT(String  <b>Example:</b> String Parameter In this example, the Pass string is "sear <TargetField> = RIGHT("search",1)

<b>RIGHT</b> (String var, Int count)	This function returns a specified number of characters from the end of a supplied text string.	Mapping: <TargetField> = RIGHT(VALUE  <b>Example: String parameter</b>  In this example, Pass first string is "search" and second parameter will be "5". So the function will return result string as "earch".  <b>&lt;TargetField&gt; = RIGHT("search",5)</b>  <b>Note:</b> If a number of characters in the string is greater than the count, then the function will return the whole string.
<b>RPAD</b> (String var, String value, Int size)	This function returns a string after padding the input string with extra characters from the right side. The user can pass the size of the input string until where the padding should be done.	Mapping: <TargetField> = RPAD(VALUE  <b>Example 1: &lt;TargetField&gt; = RPAD("tech", "o", 5)</b> The function will return result string as "techoooo".  <b>Example 2: &lt;TargetField&gt; = RPAD("tech", "o", 3)</b> The function will return result as "tech or".
<b>RSPLIT</b> (String var, String splitter)	This function takes splitter text and compares it with the variable text. The function splits variable text based on the splitter text and returns the number of characters after the splitter text to the right.	Mapping: TargetField = RSPLIT(VALUE  <b>Example: &lt;TargetField&gt; = RSPLIT ("technical", "n")</b> This function will return result string as "ical".
<b>SEARCH</b> (String findText, String withinText)	This function returns the position of a supplied text string from within a supplied text string.	Mapping: <TargetField> = SEARCH(VALUE  <b>Example: String parameters</b>  In this example, Pass the first string is "technical" and second string is "arch". So the place value of "arch" in "technical".  <b>&lt;TargetField&gt; = SEARCH("arch","technical")</b>  <b>Note:</b> If the search string exists more than once, then the function will return the position of the first occurrence.
<b>SEARCH</b> (String findText, String withinText, int startNum)	This function returns the position of a supplied text string from within a supplied text string for which starting position can be specified.	Mapping: <TargetField> = SEARCH(VALUE, startNum)  <b>Example : String parameters</b>  <b>&lt;TargetField&gt; = SEARCH("arch","technical", 3)</b>  In this example, Pass the first string is "technical" and second string is "arch". So the place value of "arch" in "technical" starting from 3rd character.  <b>Note:</b> If the search string exists more than once, then the function will return the position of the first occurrence.
<b>SESSION_GET</b> (String name)	This function returns the value of the key stored in the session of that particular process or workflow.	Mapping: <TargetField> = SESSION_GET(VALUE  <b>Example: Retrieving the "key" stored in session</b>  <b>CustomerAddRq/CustomerAdd/Name</b>  In the above example, we are retrieving the value of "Name" key stored in session.

<b>SESSION_PUT</b> (String name, String value)	This function stores the key/value pair in the session of an active process or workflow. This function will only work with active workflows within DBSync.	Mapping: <TargetField> = SESSION_PUT(  <b>Example: Storing a static value (Account Name)</b>  out = SESSION_PUT("Account_Name")  The example stores a static key/value pair to the console.
<b>SETATTR</b> (String colName, String attName, String attValue, String colVal)	This function sets the column with an attribute of name and value as specified. The column value would be set as specified in the colVal. This function can only be applied when writing to Salesforce for the Pricebook object.	Mapping: <TargetField> = SETATTR(Ta  <b>Example :SETATTR("PricebookEntryId")</b>  This function is used to query Pricebook value of pricebookentry id and assigns it
<b>SUBSTITUTE</b> (String str, String oldStr, String newStr)	This function replaces all occurrences of a string, within an old string, with the passed new string.	Mapping: <TargetField> = SUBSTITUTE  <b>Example: &lt;TargetField&gt; = SUBSTITUTE</b>  In the above example all of "firstname" fi
<b>SUBSTITUTE</b> (String str, String oldStr, String newStr, int occurrences)	This function replaces the specified number of occurrences of a string, within an old string, with the passed new string.	Mapping: <TargetField> = SUBSTITUTE  <b>Example : TargetField = SUBSTITUTE</b>  In the above example, the firstname field
<b>TEXT</b> (Arg 0, Arg1)	This function is not currently supported.	
<b>TLOOKUP</b> (String queryString)	Returns the value for the column in the query. In the query, only one column can be specified.	Mapping: <TargetField> = TLOOKUP(st  <b>Example: QuickBooks Invoice to Sale</b>  AccountID = TLOOKUP("Select Id fro
<b>TODAY()</b>	This function returns Today's date.Format returned from TODAY() is "Day Mon DD HH:MM:SS TTT YYYY"	Mapping: <TargetField> = TODAY()  <b>Example: Fri May 06 07:10:58 CDT 201</b>
<b>TRIM</b> (String value)	This function returns a text value with the leading and trailing, spaces removed.	Mapping: <TargetField> = TRIM(VALUE  <b>Example : &lt;TargetField&gt; = TRIM(VAL</b>  In the above example the field of "firstna
<b>UNIQUEFIELD</b> (String colName, String value, String colValue)	This function sets the column with the column value and attributes with the unique field value and returns as an object.	Mapping: <TargetField> = UNIQUEFIELD  <b>Exmaple : &lt;TargetField&gt; = UNIQUEFIELD</b>  In "Name" node, the "Id" value will be ac
<b>UPPER</b> (String text)	This function converts all the characters in a passed string to the upper case.	Mapping: <TargetField> = UPPER(String  <b>Example: &lt;TargetField&gt; = UPPER("se</b>  In this example, Pass string is "search".

<b>VALIDATEROW()</b>	This function returns true and is used only for validation of a rule section to check whether any condition is satisfied.	Mapping: <TargetField> = Conditional S  <b>Example:</b> <VALIDATEROW> = IF(ISEM This condition will execute a row only if t
<b>VALUE(String xPath)</b>	This function converts the input parameter to be read as string and returns the passed value as string.	MAPPING: TargetField = VALUE("Source  <b>Example:</b> <TargetField> = VALUE("Name") In the above example the "Name" field is
<b>VALUE(String xPath, boolean treatAsEmpty)</b>	This function converts the input parameter to be read as string and returns the passed values as string. The function returns empty string if the parameter has no value in it.	MAPPING: TargetField = VALUE("Source  <b>XML Sample :</b> <person gender = "female"> <firstname>Alan</firstname> </person> <b>&lt;TargetField&gt; = VALUE("person/firstname")</b> In the above example, as the "firstname" function returns the string as empty strin
<b>VALUEATTR(String xPath, String attr)</b>	This function takes a path and attribute name. And, it returns the actual value of the attribute.	Mapping: TargetField = VALUEATTR("x  <b>XML Sample :</b> <person gender = "female"> <firstname>Alan</firstname> </person> <b>&lt;TargetField&gt; = VALUEATTR("person/firstname")</b> In the above example, the function return