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Simple Comparison Operators

- > (greater than)
- < (less than)
- >= (greater than equal to)
- <= (less than equal to)
- <> (not equal to)

Complex Comparison Operators

Operator EXISTS

This operator returns a Boolean value (TRUE OR FALSE) after checking if particular element exists in a message tree or in a record.

Syntax:

EXISTS <List_Expression>

Example:

SET isExist = **EXISTS** (InputRoot.XMLNSC.EmployeeDetails.Employees[]);

Above expression is checking if Employees tag is present under EmployeeDetails. IF it is present value of isExist will be TRUE else it will be FALSE.

There is another way of checking if this Employees tag is present or not using select statement as shown below:



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```
SET isEXIST = EXISTS (SELECT R.Employees FROM InputRoot.XMLNSC.EmployeeDetails[] AS R);
```

Here, R is nothing but just a correlation name which is representing the whole path InputRoot.XMLNSC.EmployeeDetails.

Operator IN

This operator is used to check whether a value is equal to one of the values in a list and returns a Boolean value.

Syntax:

```
<Operand> IN <Operand1, Operand2, Operand3.....>
```

Examples:

- 30 IN (12,34,30) --- This will return true
- 42 IN (12,34,56) --- This will return false
- 'Andrew' IN (InputRoot.XMLNSC.EmployeeDetails.Employees[1].Name) ---This will return true as per the XML message shown in **Error! Reference source not found..**

We can also use NOT along with IN to check not equal to as shown:

- 30 NOT IN (12,34,30) --- This will return false

Operator IS

Use the operator IS to test whether an expression has returned a special value.

Syntax:



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<Operand1> IS (NOT) <TRUE>|<FALSE>|<NULL>|<NUMBER>|<NAN>|<UNKNOWN>

Examples:

IF (isFount IS NULL) THEN

<statements>

END IF;

We can also use NOT along with IS as shown below:

IF (isFound IS NOT NULL) THEN

<statements>

END IF;

Operator LIKE

This operator is used to search for a string that matches a certain pattern.

Syntax:

<Exp> (NOT) LIKE <pattern>

Examples:

Body.Trade.Company LIKE 'I_ _'



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Above example finds a match for IBM, IGL etc (i.e two digits after I)

Body.Trade.Company LIKE 'I%'

Above example finds a match for any string which will start from I.