



Description of the method

Description:	->exists() method returns true if one of the elements in the collection validates the condition.
Available for:	collections
Parameters:	condition statement
Return type:	boolean

Example

Context:	Message
OCL:	self.Transaction->exists(a a.Amount > 100)
Description:	The example rule checks every transaction in the message and if one of the amounts is greater than 100, true will be returned. First a variable "a" is declared for the individual transaction. The condition statement is separated with a " " -sign. Then the statement is checked for every transaction in the message. If one of the amounts is greater than 100, true will be returned.

The XML snippet below would pass this check.

```
<?xml version="1.0" encoding="UTF-8"?>
<Message xmlns="http://www.XMLdation.com"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Header>
    <Id>a</Id>
    <TimeStamp>2018-05-28T12:17:50</TimeStamp>
    <ControlSum>2</ControlSum>
    <NumberOfTransactions>1</NumberOfTransactions>
  </Header>
  <Transaction>
    <Id>TransactionId1</Id>
    <Amount>101</Amount>
    <Debtor>
```

```

  <Name>Debtor1</Name>
</Debtor>
<Creditor>
  <Name>Creditor1</Name>
</Creditor>
</Transaction>
<Transaction>
  <Id>TransactionId2</Id>
  <Amount>35</Amount>
  <Debtor>
    <Name>Debtor2</Name>
  </Debtor>
  <Creditor>
    <Name>Creditor2</Name>
  </Creditor>
</Transaction>
</Message>

```

The other snippet below however would not pass this check. (Neither of the transaction amounts is higher than 100)

```

<?xml version="1.0" encoding="UTF-8"?>
<Message xmlns="http://www.XMLdation.com"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Header>
    <Id>a</Id>
    <TimeStamp>2018-05-28T12:17:50</TimeStamp>
    <ControlSum>2</ControlSum>
    <NumberOfTransactions>1</NumberOfTransactions>
  </Header>
  <Transaction>
    <Id>TransactionId1</Id>
    <Amount>30</Amount>
    <Debtor>
      <Name>Debtor1</Name>
    </Debtor>
    <Creditor>
      <Name>Creditor1</Name>
    </Creditor>
  </Transaction>
  <Transaction>
    <Id>TransactionId2</Id>
    <Amount>35</Amount>
    <Debtor>
      <Name>Debtor2</Name>

```

```
</Debtor>  
<Creditor>  
  <Name>Creditor2</Name>  
</Creditor>  
</Transaction>  
</Message>
```