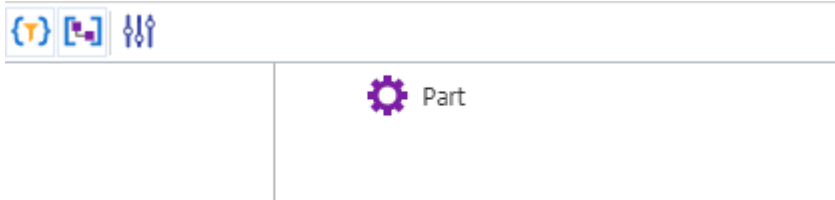


Sample Query with Exists() Function

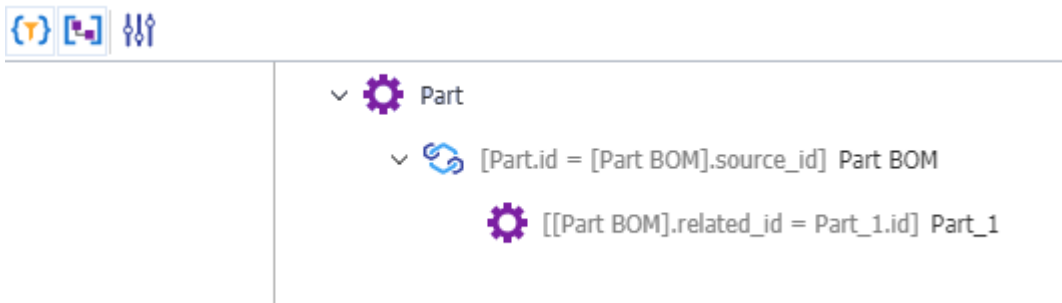
The Exists() Function can be applied in a **WHERE** condition to filter Items based on the *existence* of related items. In essence, it's similar to a **LEFT INNER JOIN** in a SQL statement. To explain the use of such a feature, refer to the basic Query Definition shown in Figure 58.



This query will result in returning all Parts in the system. It's equivalent to the following SQL statement:

```
SELECT FROM Part
```

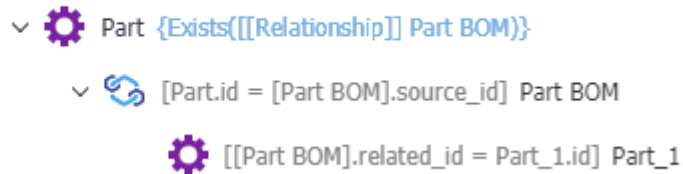
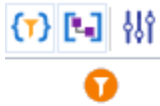
The addition to this Query Definition shown in Figure 59 will add related **Parts** through the **Part BOM** Relationship.



This query will return all **Parts**, including those **Parts** that have a **Part BOM** Relationship along with the related (child) **Part**. It's equivalent to the following SQL statement:

```
SELECT FROM Part p
LEFT JOIN Part BOM pb on ...
LEFT JOIN Part child on...
```

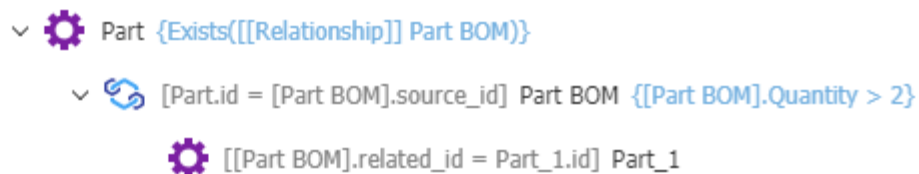
The addition to this Query Definition shown in Figure 60 will add the Condition Exists([[Relationship]] Part BOM) on the Context Part Query Item.



This query will return all **Parts** that have a **Part BOM** Relationship along with the related (child) **Part**. It's equivalent to the following SQL statement:

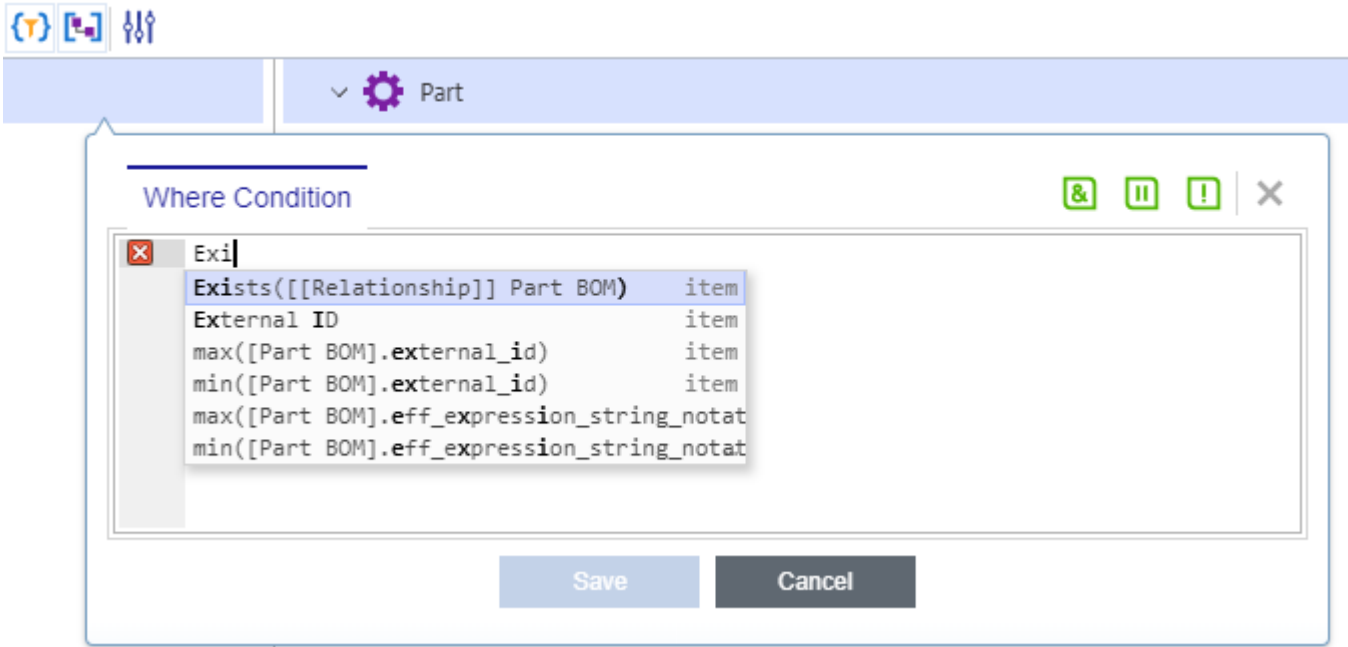
```
SELECT FROM Part p
INNER JOIN Part BOM pb on ...
LEFT JOIN Part child on...
```

The effect is to restrict the **Part** Items returned for the Context Query Item to only those that have related **Parts** using the **Part BOM** relationship. Any related Query item can also have conditions applied to it. For example, using the previous example, the **Part BOM** Query item can have a condition that restricts Items based on a Quantity > 2. In this case, the entire Query Definition will only return **Parts** that have related **Part BOM** Items that have a Quantity of at least 3.



The Exists() function can be used on any Query item with related content. Note that the Condition Editor will automatically offer valid Exists() statements. See Figure 62 for an example.





In this case, beginning to type the Exi term will isolate the list of valid statements and include all valid ways to use Exists() for the selected Query item.