
Question

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Nothing returned when running SQL query in SQL tool for a single column DISTINCT or GROUP BY?

Since I'm just starting to use this aspect of IRIS I can't tell if this is a bug or some kind of nuance. If I run a single column query like this, I get results:

The screenshot shows the InterSystems SQL tool interface. At the top, there are navigation tabs: « **Wizards »**, **Actions »**, **Open Table**, **Tools »**, and **Docume**. Below these are four buttons: **Catalog Details**, **Execute Query** (highlighted), **Browse**, and **SQL Statements**. Underneath are five more buttons: **Execute**, **Show Plan**, **Show History**, **Query Builder**, and **Display Mode**. The main text area contains the SQL query: `SELECT DocType
FROM EDI_Transaction.DetailLog`. Below the query, the execution results are displayed: **Row count: 10000 Performance: 0.155 seconds 10325 global references 461067 commands**. At the bottom, a table shows the results for the **DocType** column.

DocType
835
835
835
835
835
270
271
270
271

However if I try to retrieve using a DISTINCT or GROUP BY, I get no results:

The screenshot shows the InterSystems SQL tool interface. At the top, there are navigation tabs: « Wizards » Actions » Open Table Tools » Documentation ». Below these are sub-tabs: Catalog Details Execute Query Browse SQL Statements. The 'Execute Query' sub-tab is active. Below the sub-tabs are buttons: Execute Show Plan Show History Query Builder Display Mode ▾ Max 10000 more. The main query editor contains the following SQL code:

```
SELECT distinct DocType
FROM EDI_Transaction.DetailLog
```

Below the query editor, the execution results are displayed:

Row count: 0 Performance: 0.002 seconds 325 global references 1127 commands executed 0 disk read latency (ms) Cached Query: %sql

Below the results, there is a table header with one column: DocType. Below the header, it says: 0 row(s) affected.

And again except with a GROUP BY, with no results:

The screenshot shows the InterSystems SQL tool interface. At the top, there are navigation tabs: « Wizards » Actions » Open Table Tools » Documentation ». Below these are sub-tabs: Catalog Details Execute Query Browse SQL Statements. The 'Execute Query' sub-tab is active. Below the sub-tabs are buttons: Execute Show Plan Show History Query Builder Display Mode ▾ Max 10000 more. The main query editor contains the following SQL code:

```
SELECT DocType, count(*) As TheCount
FROM EDI_Transaction.DetailLog
group by DocType
order by TheCount desc
```

Below the query editor, the execution results are displayed:

Row count: 0 Performance: 0.003 seconds 343 global references 2102 commands executed 0 disk read latency (ms) Cached Que

Below the results, there is a table header with two columns: DocType TheCount. Below the header, it says: 0 row(s) affected.

If I add in some other columns I still get no results HOWEVER, if I add in a date column, I now get results:

The screenshot shows the InterSystems SQL tool interface. At the top, there are navigation tabs: « Wizards » Actions » Open Table Tools » Documentation ». Below these are sub-tabs: Catalog Details Execute Query Browse SQL Statements. The 'Execute Query' sub-tab is active. Below the sub-tabs are buttons: Execute Show Plan Show History Query Builder Display Mode Max 10000 more. The main area contains a text box with the following SQL query:

```
SELECT DocType, Date(TransactionDateTime) As TDate, Count(*) as Total
FROM EDI.TransactionDetailLog
group by DocType, Date(TransactionDateTime)
```

Below the text box, the status bar displays: Row count: 314 Performance: 1.440 seconds 4252982 global references 72330439 commands executed 0 disk read latency (ms) Cached Q...

Below the status bar, a table is displayed with the following data:

DocType	TDate	Total
270	02/04/2020	15
270	02/06/2020	27
270	07/23/2020	1
270	07/27/2020	11

What am I missing here? Is this by design and if so, what governs whether a return set is returned or not? I did purge my query cache in case something was happening there but it did not fix this.

[#SQL](#) [#InterSystems IRIS](#)

Product version: IRIS 2020.1

Source

URL: <https://community.intersystems.com/post/nothing-returned-when-running-sql-query-sql-tool-single-column-distinct-or-group>