

Commonly used SQL Keywords in Voyager Prepackaged Access Reports

- **Product:** Voyager
 - **Relevant for Installation Type:** Multi-Tenant Direct, Dedicated-Direct, Local, TotalCare
-

Question

What are some of the more commonly used SQL Keywords found in Voyager Prepackage Access Reports?

Answer

SELECT List the fields you want

DISTINCT Keep only unique values

FROM List the tables from which to get data

INNER JOIN Standard join -- fields in both tables are equal

OUTER JOIN Special join -- if no matching value in 2nd table, keep record anyway

INTO Make a table from the results of your query

AS Rename a field or a table within the query

ORDER BY Sort the results by these fields, left to right

ASC Do the sort in ascending order (default)

DESC Do the sort in descending order

GROUP BY Aggregate the records where these fields are the same

WHERE Keep only records that match these criteria

AND Additional WHERE criteria

HAVING When you use GROUP BY, the WHEREs turn to HAVINGs !?!

UNION Combine two tables into one long table

UNION ALL Do a UNION, but don't delete duplicate records (this is a "gotcha")

Access SQL Example

```
SELECT DISTINCT
PATRON.LAST_NAME AS TOO_MANY,
PATRON.FIRST_NAME, CIRC_TRANSACTIONS.CURRENT_DUE_DATE
FROM PATRON INNER JOIN CIRC_TRANSACTIONS ON PATRON.PATRON_ID =
CIRC_TRANSACTIONS.PATRON_ID
WHERE (((CIRC_TRANSACTIONS.[CURRENT_DUE_DATE])<Date()) AND
((CIRC_TRANSACTIONS.[OVERDUE_NOTICE_COUNT])>"1"))
ORDER BY CIRC_TRANSACTIONS.CURRENT_DUE_DATE DESC;
```

Additional Information

The Voyager server uses SQL*Plus, which is different from Access SQL. They are not compatible.

Note

Constructing custom SQL queries by request and troubleshooting unexpected results from customer-created SQL queries falls outside the scope of Support. The above has been posted for informational purposes. [Voyager-L](#) and [Developer Network](#) are useful resources for finding helpful custom SQL or obtaining assistance from peers in troubleshooting custom queries.

- **Article last edited:** 03-Mar-2021