

# SQL Prep

Wednesday, February 18, 2015

3:40 PM

Q: What does **union** do? What's the difference between UNION and UNION ALL?

A: UNION merges the contents of two structurally-compatible tables into a single table.

A: The difference is that UNION ALL includes duplicates whereas the other omits them!

Q: List and explain all JOINS

INNER JOIN	Returns all rows for which there is atleast one match in BOTH tables
LEFT (OUTER) JOIN	Returns all rows from the left table and all the matched rows from the right table
Right JOIN	returns all rows from the right table and the matched rows from the left table
FULL OUTER JOIN	returns all rows for which there is a match in EITHER of the tables
CROSS JOIN	Returns all records where each row from the first table is combined with each row from the second table (a cartesian product)

Q: null is equal to null

A: null is never equal to null YOU MUST USE 'IS NULL'

Q: Beware of using the <> operator with values that possibly are NULL

Q: HAVING and GROUP BY?

Q: when where is omitted a crossjoin is assumed