



QUERYING DATA FROM A TABLE

SELECT c1, c2 **FROM** t;

Query data in columns c1, c2 from a table

SELECT * FROM t;

Query all rows and columns from a table

SELECT c1, c2 **FROM** t
WHERE condition;

Query data and filter rows with a condition

SELECT DISTINCT c1 **FROM** t
WHERE condition;

Query distinct rows from a table

SELECT c1, c2 **FROM** t
ORDER BY c1 **ASC** [**DESC**];

Sort the result set in ascending or descending order

SELECT c1, c2 **FROM** t
ORDER BY c1
LIMIT n **OFFSET** offset;

Skip *offset* of rows and return the next n rows

SELECT c1, **aggregate**(c2)
FROM t
GROUP BY c1;

Group rows using an aggregate function

SELECT c1, **aggregate**(c2)
FROM t
GROUP BY c1
HAVING condition;

Filter groups using HAVING clause

QUERYING FROM MULTIPLE TABLES

SELECT c1, c2
FROM t1
INNER JOIN t2 **ON** condition;
Inner join t1 and t2

SELECT c1, c2
FROM t1
LEFT JOIN t2 **ON** condition;
Left join t1 and t1

SELECT c1, c2
FROM t1
RIGHT JOIN t2 **ON** condition;
Right join t1 and t2

SELECT c1, c2
FROM t1
FULL OUTER JOIN t2 **ON** condition;
Perform full outer join

SELECT c1, c2
FROM t1
CROSS JOIN t2;
Produce a Cartesian product of rows in tables

SELECT c1, c2
FROM t1, t2;
Another way to perform cross join

SELECT c1, c2
FROM t1 A
INNER JOIN t2 B **ON** condition;
Join t1 to itself using INNER JOIN clause

USING SQL OPERATORS

SELECT c1, c2 **FROM** t1
UNION [**ALL**]
SELECT c1, c2 **FROM** t2;
Combine rows from two queries

SELECT c1, c2 **FROM** t1
INTERSECT
SELECT c1, c2 **FROM** t2;
Return the intersection of two queries

SELECT c1, c2 **FROM** t1
EXCEPT
SELECT c1, c2 **FROM** t2;
Subtract a result set from another result set

SELECT c1, c2 **FROM** t1
WHERE c1 [**NOT**] **LIKE** pattern;
Query rows using pattern matching %, _

SELECT c1, c2 **FROM** t
WHERE c1 [**NOT**] **IN** value_list;
Query rows in a list

SELECT c1, c2 **FROM** t
WHERE c1 **BETWEEN** low **AND** high;
Query rows between two values

SELECT c1, c2 **FROM** t
WHERE c1 **IS** [**NOT**] **NULL**;
Check if values in a table is NULL or not