



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 t2

**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
MINUS
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