SELECT [ALL/DISTINCT] [\*/columns-list] FROM table-name

The above statement retrieves data from all the rows and selected or all the columns from the table

How to filter the rows or how to fetch the selected rows from the table?

SELECT [ALL/DISTINCT] [\*/columns-list] FROM table-name

WHERE row-selection-criteria

Q) SQL query to fetch the 7902 employee information

select empno,ename,job from emp where empno=7902;

Q) SQL query to retrieve James information

select empno,ename,job from emp where ename like 'JAMES';

Note:

1. To compare numerical type of data,it is recomonded to use = operator where as to compare the string or date type data, it is recomonded to use LIKE operator
2. Values available in the table are case sensitive
3. Column names and table names are not case sensitive

Relational operators : >,<.<=,<=,<>,=

Q) SQL query to retrieve all the employees information whose salary is > 2000

select empno,ename,job,sal from emp where sal>2000;

Q) SQL query to retrieve all the employees information whose salary is < 1000

select empno,ename,job,sal from emp where sal<1000;

Logical Operators : AND, OR, NOT

Q) SQL query to retrieve all employees whose salary is between 1000 and 2000

select empno,ename,job,sal from emp where sal>1000 AND sal<2000;

OR

select empno,ename,job,sal from emp where sal BETWEEN 1000 AND 2000;

Q) SQL query to retrieve all employees whose salary is between 1000 and their job is SALESMAN

select empno,ename,job,sal from emp where sal >1000 and job like 'SALESMAN';

What is the use of BETWEEN Operator in Where clause?

This operator is used to define the required range of values

Syntax:

WHERE column-name BETWEEN starting-value AND ending-value

Q) SQL Query to fetch the list of employees who are working as Analyst and Manager

select empno,ename,job,sal from emp where job like 'MANAGER' OR job like 'SALESMAN';

OR

select empno,ename,job,sal from emp where job IN ('MANAGER', 'SALESMAN');

What is the purpose of IN operator in where clause?

Used to specify the list of values

What is the difference between AND and OR?

AND means if all individual conditions in the list should return TRUE, then the result of complete expression is TRUE

OR means if any individual conditions in the list return TRUE, then the result of complete expression is TRUE