**Comparison Operators**

1. **BETWEEN AND || < >**

**EX : SELECT \* FROM Clients WHERE COST\_Purchasing BETWEEN 10 AND 100  
  
EX : SELECT \* FROM ORDERs WHERE ORDER\_DATE BETWEEN 10 AND 100  
  
  
02- NOT BETWEEN AND**

**EX : SELECT \* FROM Clients WHERE COST\_Purchasing NOT BETWEEN 10 AND 100  
  
EX : SELECT \* FROM ORDERs WHERE ORDER\_DATE NOT BETWEEN 10 AND 100  
  
  
03- IN**

**EX : SELECT \* FROM Clients WHERE COUNTRY IN ( , , )  
  
EX : SELECT \* FROM Clients WHERE COUNTRY IN( , , )  
  
  
04-NOT IN**

**EX : SELECT \* FROM Clients WHERE COUNTRY NOT IN ( , , )  
  
EX : SELECT \* FROM Clients WHERE COUNTRY NOT IN( , , )**

**05- String Matching**

**SELECT \* FROM Clients WHERE Client\_Name LIKE '%A%'  
SELECT \* FROM Clients WHERE Client\_Name LIKE '%A'  
SELECT \* FROM Clients WHERE Client\_Name LIKE 'A%'  
SELECT \* FROM Clients WHERE Client\_Name LIKE '\_\_A%'**

**SELECT \* FROM Clients WHERE Client\_Name LIKE 'A\_\_%'  
SELECT \* FROM Clients WHERE Client\_Name LIKE 'O%Z'  
  
تبدء بحرف ال O وتنتهي بحرف ال Z  
SELECT \* FROM Clients WHERE Client\_Name LIKE 'O%Z'   
  
  
تبدء بالاحرف   
 SELECT \* FROM Clients WHERE Client\_Name LIKE '[ABC]%'  
  
  
تنتهي بالاحرف   
 SELECT \* FROM Clients WHERE Client\_Name LIKE '% [ABC] '**

**تنتهي بالاحرف بين ال A الي O  
 SELECT \* FROM Clients WHERE Client\_Name LIKE '% [A-O] '**

**تبدء بالاحرف بين ال A الي O  
 SELECT \* FROM Clients WHERE Client\_Name LIKE ' [A-O] % '**

**Comparison Operators & Logical Operators**

**== EQUAL  
!= Not EQUAL  
> Greater Than  
< LESS Than   
>= GREATER THAN OR EQUAL  
<= LESS THAN Or EQUAL   
  
AND   
  
OR   
  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**Join**

* **Inner Join   
    
  SELECT \* FROM department INNER JOIN employee ON department.id = employee.id   
    
  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
    
  SELECT \* FROM department INNER JOIN employee ON department.id = employee.id WHERE employee.id=10  
    
  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
  SELECT employee.firstname , employee.lastname,department.depname FROM department INNER JOIN employee ON department.id = employee.id**
* **Left Join**
* **Right Join**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
  
 Orders**

**SELECT \* FROM employee ORDER BY name ASC  
  
SELECT \* FROM employee ORDER BY name DESC  
  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
  
AS = Alias   
  
SELECT firtsname as ‘ الاسم الاول ’ , lastname ‘الاسم الاخير ’ FROM employee  
  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
  
  
Count – AVG – SUM –MIN – MAX   
-------------------------------------------------------------  
  
SELECT COUNT(clientid) FROM client  
  
SELECT COUNT(clientid) FROM client WHERE clientid =20  
  
SELECT SUM(salary) FROM employee  
  
SELECT AVG(salary) FROM employee  
  
SELECT MIN(salary) FROM employee  
  
SELECT MAX(salary) FROM employee**