

SELECTION

It is a process of retrieving the data by *selecting both the columns and rows* is known as Selection.

SYNTAX :

SELECT * / [DISTINCT] Column_Name / Expression [ALIAS]

FROM Table_Name

WHERE <Filter_Condition> ;

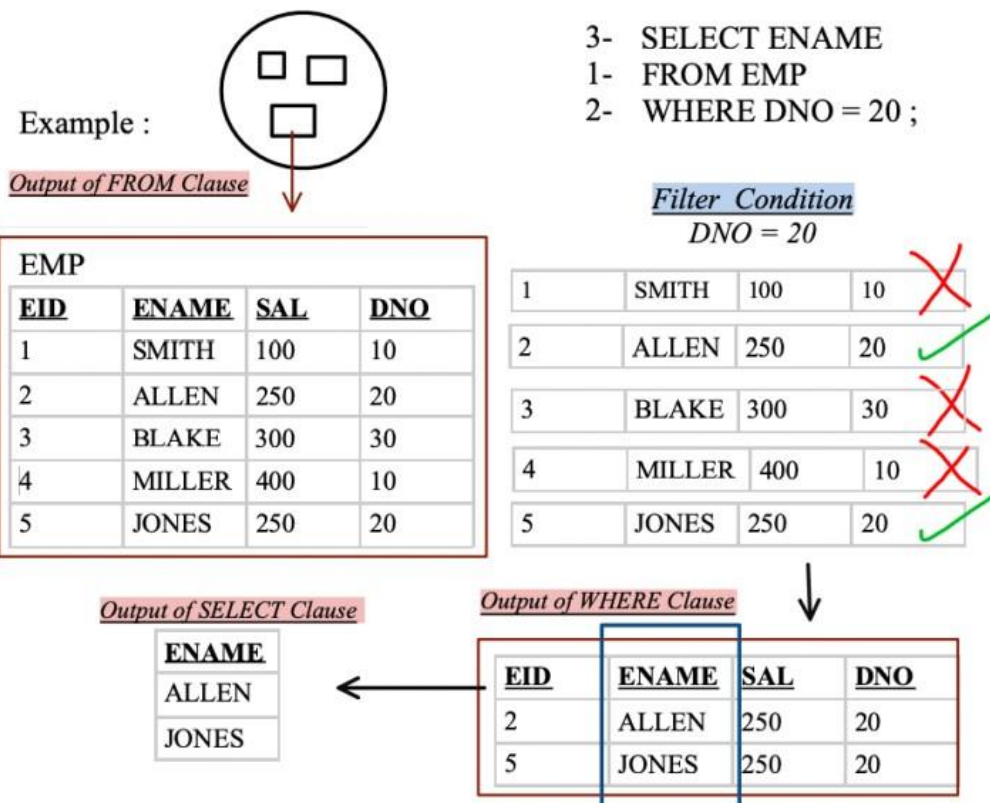
ORDER OF EXECUTION

1. FROM
2. WHERE
3. SELECT

WHERE Clause

Where clause is used to filter the records

- WAQTD names of the employees working in dept 20 .



- WAQTD names of the employees getting salary More than 3000.

SELECT ENAME

FROM EMP

WHERE SAL>3000;

- WAQTD names and salary of the employees working in dept 10.

```
SELECT ENAME, SAL
FROM EMP
WHERE DEPTNO = 10 ;
```

- WAQTD all the details of the employees whose salary is Less than 1000 rupees .

```
SELECT *
FROM EMP
WHERE SAL < 1000 ;
```

EMP

EMPNO	ENAME	JOB	HIREDATE	MGR	SAL	COMM	DEPTNO
7369	SMITH	CLERK	17-DEC-80	7902	800		20
7499	ALLEN	SALESMAN	20-FEB-81	7698	1600	300	30
7521	WARD	SALESMAN	22-FEB-81	7698	1250	500	30
7566	JONES	MANAGER	02-APR-81	7839	2975		20
7654	MARTIN	SALESMAN	28-SEP-81	7698	1250	1400	30
7698	BLAKE	MANAGER	01-MAY-81	7839	2850		30
7782	CLARK	MANAGER	09-JUN-81	7839	2450		10
7788	SCOTT	ANALYST	19-APR-87	7566	3000		20
7839	KING	PRESIDENT	17-NOV-81		5000		10
7844	TURNER	SALESMAN	08-SEP-81	7698	1500	0	30
7876	ADAMS	CLERK	23-MAY-87	7788	1100		20
7900	JAMES	CLERK	03-DEC-81	7698	950		30
7902	FORD	ANALYST	03-DEC-81	7566	3000		20
7934	MILLER	CLERK	23-JAN-82	7782	1300		10

- WAQTD name and hiredate of an employee hired on '09-JUN-1981'

```
SELECT ENAME, HIREDATE
FROM EMP
WHERE DATE = '09-JUN-1981';
```

- WAQTD details of the employee whose name is 'Miller'

```
SELECT *
FROM EMP
WHERE ENAME ='MILLER';
```

- WAQTD details of the employee hired after '01-JAN-1982'

```
SELECT *
FROM EMP
WHERE HIREDATE > '01-JAN-1982' ;
```

- WAQTD name sal and hiredate of the employees who were hired before 1985



```
SELECT ENAME,  
SAL, HIREDATE  
FROM EMP  
WHERE HIREDATE < '01-JAN-1985' ;
```

- WAQTD name sal and hiredate of the employees who were hired after 1985 .

```
SELECT ENAME , SAL , HIREDATE  
FROM EMP  
WHERE HIREDATE > '31-DEC-1985' ;
```

- WAQTD name of the employees who was hired on Valentine's day 2020 .

```
SELECT ENAME  
FROM EMP  
WHERE HIREDATE = '14-FEB-2020';
```

COMMANDS ON SQL*Plus :

1. CLEAR SCREEN [**CL SCR**] : *To clear the screen*
2. SET LINES 100 PAGES 100 : *To set the dimensions of the output page*
3. .EXIT / QUIT : *To Close the Software .*
4. When account is Locked !!!
 - Log in as SYSTEM
 - Password TIGER
 - ALTER USER SCOTT ACCOUNT UNLOCK ;
 - ALTER USER SCOTT IDENTIFIED BY TIGER ;
5. SELECT * FROM TAB ;
 - **DEPT**
 - **EMP**
 - SALGRADE
 - BONUS