/\*

SELECT expressions

FROM tables

[WHERE conditions]

[ORDER BY expression [ ASC | DESC ]];

\*/

--Retrive text "This is SQL Exercise"

select 'This is SQL Exercise' as result

--Retrive full information about tables (employee, department, salgrade)

select \* from emp

select \* from DEPT

select \* from SALGRADE

1--Write a query to find the salary of all employees

select ename, SAL

from emp

2--Retrive ename, sal and deptno of employees who do not have a comm.

select ename, SAL, deptno

from EMP

where COMM is null

3--Retrive the deptno, ename of employees, who work in departments 10 or department 30.

select ename, deptno

from EMP

where DEPTNO=10 or DEPTNO=30

--

select ename, deptno

from EMP

where DEPTNO in (10, 30)

select ISNULL(comm,0)

from EMP

select coalesce(comm,0)

from EMP

4--Retrive the name of all employees, who works as Manager.

select ename, job

from EMP

where JOB='MANAGER'

----

select ename, job

from EMP

where JOB like 'MANAGER'

5--Retrive the employee ename who work as Manager or Clerk

select ename, job

from EMP

where JOB like 'MANAGER' or JOB like 'CLERK'

6--Retrive the employee ename, deptno, job, who work as Manager in 10th department.

select ename, deptno, job

from EMP

where JOB like 'MANAGER' and DEPTNO=10

7--Retrive the ename, job of all employee, who work as Manager or as Analyst.

select ename, job

from EMP

where JOB like 'MANAGER' or JOB like 'ANALYST'

IN

/\*An IN operator allows the specification of two or more expressions to be used for a query search.

An IN operator is equivalent to a series of conditions, connected with one or more OR operators.\*/

8--Retrive all the columns for every employee whose employee number equals 7782,7788,7900

select \* from EMP

where EMPNO in (7782,7788,7900)

--Retrive all columns for every employee whose employee number is neither 7782,7788,7900

select \* from EMP

where EMPNO not in (7782,7788,7900)

--Retrive the employee numbers for all employees who works for either department 10 or department22

select empno

from EMP

where DEPTNO in (10, 20)

--Retrive the employee numbers and first names of all employees who do not belong to the department 20

select empno

from EMP

where DEPTNO != 20

BETWEEN

9 --Retrive the names and salary for all employee whose sal is between 2500 and 3000

select ename, SAL

from EMP

where SAL between 2500 and 3000

like

/\*Pattern

• The percent sign (%): any string of zero or more characters.

• The underscore (\_) wildcard: any single character.

• The [list of characters] wildcard: any single character within the specified set.

• The [character-character]: any single character within the specified range.

• The [^]: any single character not within a list or a range.

\*/

10--Retrive the employee whose last name starts with the letter K

select ename, sal from emp

where ename like 'K%'

11--Retrive the employee whose job ends with the string er:

select ename, job from emp

where job like '%er'

12--Retrieve the employee whose ename starts with the letter A

--and ends with the letter n:

select \* from emp

where ename like'A%n'

13 --Retrieve the employee whose ename starts with the letter M

--and job ends with the letter 'an'.

select \* from emp

where ename like'A%' and job like '%an'

14 --Retrive the ename where the second character is the letter L:

select \* from emp

where ename like'\_l%'

15 --Retrive the records of employees, where the first character in the ename is M or S:

select \* from emp

where ename like '[MS]%'

16 --find the records where the first character in the ename

--is the letter in the range M through T:

select \* from emp

where ename like '[M-T]%'

17--Retrive the employees where the first character in the ename is not

--the letter in the range M through T:

select \* from emp

where ename like '[^M-T]%'

18--Retrive records where the first character

--in the ename is not the letter A:

select \* from emp

where ename not like 'A%'

19 --Get the enames of all employees whose ename name does not

--begin with the letter from A to M

select ename

from EMP

where ENAME like'[^A-M]%'

20--Get the enames of all employees whose ename does not

--begin with the letter from A to M and whose deptno is 10 or 20

select ename

from EMP

where ENAME like'[^A-M]%' and DEPTNO in (10, 20)

\*/