Doaa Reda - DM
Day1 – Lab1

Day 1

Assignments

1. **Display the first name and last name concatenated into a single column, separated by a space, and label the column as Full Name.**

```
select first_name || ' ' || last_name as Full_Name
from EMPLOYEES
```

2. **Retrieve the last name, department ID, and salary for employees whose department ID is either 50 or 60, and whose salary is greater than $5000.**

```
select LAST_NAME,SALARY, DEPARTMENT_ID
from EMPLOYEES
where DEPARTMENT_ID in (50,60)
and SALARY >5000
```

3. **Find all employees whose job id contains the word 'Mgr' (case insensitive).**

```
select *
from EMPLOYEES
where lower (JOB_ID) like lower ('%Mgr%')
```

4. **Show the last name and email address of employees whose email ends with 'oracle.com'. (update data to check your answer)**

```
select LAST_NAME, EMAIL
from EMPLOYEES
where email like lower ('%@oracle.com')
-------
select LAST_NAME, EMAIL
from EMPLOYEES
where substr(email, instr(email, '@' ) + 1 ) = 'oracle.com'
```

5. **List the first name, job ID, and salary for employees whose salary is between $3000 and $6000 and whose job ID is not IT_PROG.**

```
select FIRST_NAME, JOB_ID, SALARY
from EMPLOYEES
where salary between 3000 and 6000
and JOB_ID != 'IT_PROG'
```

6. **Display the first and last name of employees who do not have any commission set**

```
select FIRST_NAME ,LAST_NAME
```

```
from EMPLOYEES
where COMMISSION_PCT is null
```

7. Display the first character of the first name and the first character of the last name as initials, separated by a period (.), for all employees.

```
select substr(first_name, 1,1) || '.' || substr(last_name, 1,1) as Initials
from EMPLOYEES
```

8. Replace all dots (.) in phone numbers with hyphens ('-') in the phone_number column.

```
select PHONE_NUMBER,  replace(PHONE_NUMBER, '.', '-')
from EMPLOYEES
```

9. Extract the last word (after _) from the job_title columns of each employee from table jobs

```
select JOB_TITLE,JOB_ID, substr(JOB_ID, instr(JOB_ID, '_') +1)
from jobs
```

10. Display all employees whose emp id is odd.

```
select *
from EMPLOYEES
where  mod(EMPLOYEE_ID, 2) =1
```

11. How many filled boxes will we need for 176 bottles – if box capacity = 6 And show if there are remaining bottles after filling those boxes

```
select trunc(176 / 6) as FullBoxes, mod(176, 6) as RemainingBottles
from dual
```

12. Write a query that displays the grade of all employees based on the value of the column JOB ID, as per the table shown below using case, decode

JOB_ID	GRADE
AD_ASST	A
IT_PROG	B
SA_REP	C
FI_MGR	D
None of above	F

```
select JOB_ID,
   case JOB_ID
      when 'AD_ASST' then 'A'
      when 'IT_PROG' then 'B'
      when 'SA_REP'  then 'C'
      when 'FI_MGR' then 'D'
      else 'F'
   end as Grade
from EMPLOYEES
```

```
 select JOB_ID, decode(JOB_ID, 'AD_ASST', 'A', 'IT_PROG' , 'B', 'SA_REP' , 'C', 'FI_MGR',
'D', 'F') as Grade
 from EMPLOYEES
```