EXPERIMENT-2

Note: I Amended the questions according to table created by me.

Que. Creating Table for Employee as mentioned.

Based on Emp table Columns are EmpNo, Ename, Job, Salary, Commission, DeptNO Insert 5 records by storing Null value in some records for commission column.

Ans.

EMPNO	NAME	JOB	SALARY	COMMISSION	DEPTNO
2	Shivam	dev	1200000	10	22
3	Naman	software dev	1000000	-	23
4	Samarth	-	-	-	-
5	Yash	Manager	800000	12	1
1	Mayank	web	2400000	-	21

Q1) Get employee no and employee name who works in dept no 23?

Ans.

```
SELECT * FROM employee
WHERE DEPTNO='22';
```

EMPNO	NAME	JOB	SALARY	COMMISSION	DEPTNO
2	Shivam	dev	1200000	10	22

Q2) Display the employee names of those clerks whose salary > 1000000?

Ans.

```
SELECT NAME FROM employee
WHERE SALARY>'1000000';
```

NAME
Shivam
Mayank

Q3) Display name and job of dev& Software dev?

Ans.

```
SELECT NAME,JOB FROM employee
WHERE JOB='dev' OR JOB='software dev';
```

NAME	JOB
Shivam	dev
Naman	software dev

Q4) Display all details of employees whose salary between 1200000 and 800000 ?

Ans.

```
SELECT * FROM employee
WHERE SALARY>='800000' AND SALARY<='1200000';
```

EMPNO	NAME	JOB	SALARY	COMMISSION	DEPTNO
2	Shivam	dev	1200000	10	22
3	Naman	software dev	1000000	-	23
5	Yash	Manager	800000	12	1

Q5) Display all details of employees whose dept no is 1, 21, or 23 ?

Ans.

```
SELECT * FROM employee
WHERE DEPTNO='1' OR DEPTNO='21' OR DEPTNO='23';
```

EMPNO	NAME	JOB	SALARY	COMMISSION	DEPTNO
3	Naman	software dev	1000000	-	23
5	Yash	Manager	800000	12	1
1	Mayank	web	2400000	-	21

Q6) Display name of those employees whose commission is NULL ?

Ans.

```
SELECT * FROM employee
WHERE COMMISSION IS NULL;
```

EMPNO	NAME	JOB	SALARY	COMMISSION	DEPTNO
3	Naman	software dev	1000000	-	23
4	Samarth	-	-	-	-
1	Mayank	web	2400000	-	21

Q7) Display dept no & salary in ascending order of dept no and with in each dept no salary should be in descending order ?

Ans.

```
SELECT * FROM employee
ORDER BY SALARY ASC,DEPTNO ASC;
```

EMPNO	NAME	JOB	SALARY	COMMISSION	DEPTNO
5	Yash	Manager	800000	12	1
3	Naman	software dev	1000000	-	23
2	Shivam	dev	1200000	10	22
1	Mayank	web	2400000	-	21
4	Samarth	-	-	-	-

Q8) Display name of employees having two 'a' or 'A' chars in the name ?

Ans.

```
SELECT NAME FROM employee
WHERE (NAME LIKE '%a%a%' OR NAME LIKE '%A%A%');
```

NAME
Naman
Samarth
Mayank

Q9) Display the name of the employees whose second char is 'b' or 'B' ?

Ans.

```
SELECT NAME FROM employee
WHERE (NAME LIKE '_b%' OR NAME LIKE '_B%');
```
OUTPUT: NO DATA FOUND AS I DONT HAVE ANY NAME WHOSE SECOND CHAR IS B.

no data found

Q10) Display the name of the employees whose first or last char is 'a' or 'A' ?

Ans.

SELECT NAME FROM employee WHERE (NAME LIKE 'a%' OR NAME LIKE 'A%' OR NAME LIKE '%b' OR NAME LIKE '%B');

no data found

Q11) Display maximum, minimum, average salary of employees.

Ans.

SELECT MIN(SALARY),MAX(SALARY),AVG(SALARY) FROM employee ;

MIN(SALARY)	MAX(SALARY)	AVG(SALARY)
800000	2400000	1350000

Q12) Display total number of employees working in deptno 20

Ans.

ADDING SOME ENTRIES IN DEPTNO 20:

EMPNO	NAME	JOB	SALARY	COMMISSION	DEPTNO
2	Shivam	dev	1200000	10	22
3	Naman	software dev	1000000	-	23
4	Samarth	-	-	-	-
5	Yash	Manager	800000	12	1
1	Mayank	web	2400000	-	21
7	Shrey	salesman	2000	200	20
8	Rishab	salesman	2000	200	20
9	Shashwat	salesman	2000	200	20
6	Sannidhya	salesman	2000	200	20

SELECT COUNT(EMPNO) FROM EMPLOYEE

```
  WHERE DEPTNO='20';
```
OUTPUT:

COUNT(EMPNO)
4

Q13) Display total salary paid to clerks

Ans.

```
  SELECT SUM(SALARY)
  FROM EMPLOYEE;
```

SUM(SALARY)
5408000

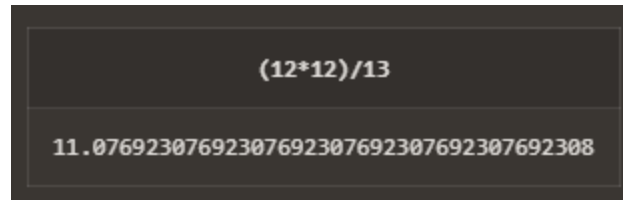Q14) Display system date

Ans.

```
  select SYSDATE from dual
```
OUTPUT:

SYSDATE
01-FEB-23

Q15) Display the result of (12*12)/13

Ans.

```
  select (12*12)/13 from dual
```
OUTPUT:

```
(12*12)/13

11.076923076923076923076923076923076923308
```

Q16) Display info of 'raj' irrespective to the case in which the data is stored.

Ans.

```
SELECT *
FROM table_name
WHERE UPPER(column_name) = UPPER('raj');
```