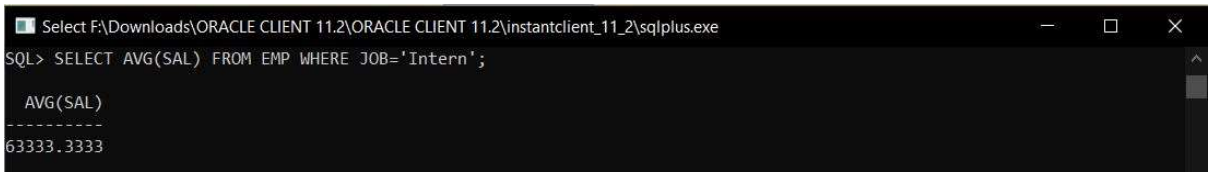
NAME:- SHUBHAM SAXENA

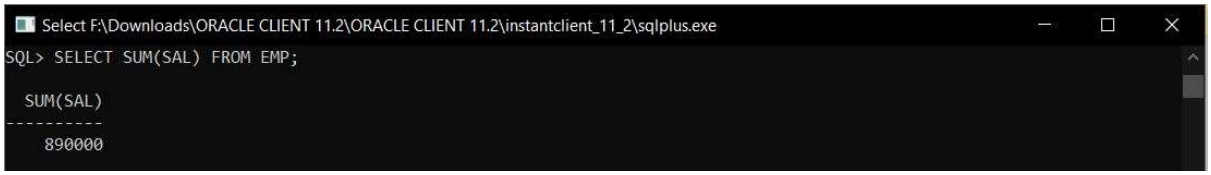
REG No:- RA1811003010691 SEC:- D2 DATE:- 18/3/2021

DDL WORKSHEET-VIII

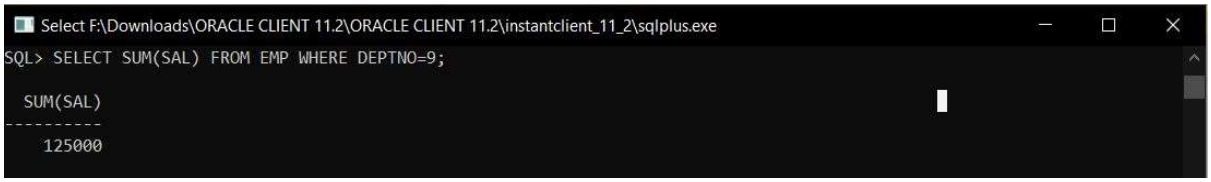
I. Find the average salary of clerks.



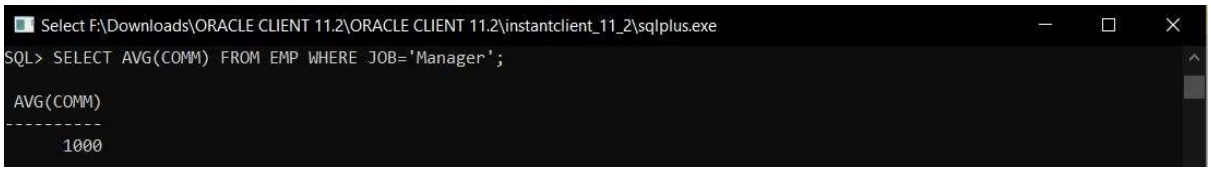
II. Find the total salary drawn by all the employees.



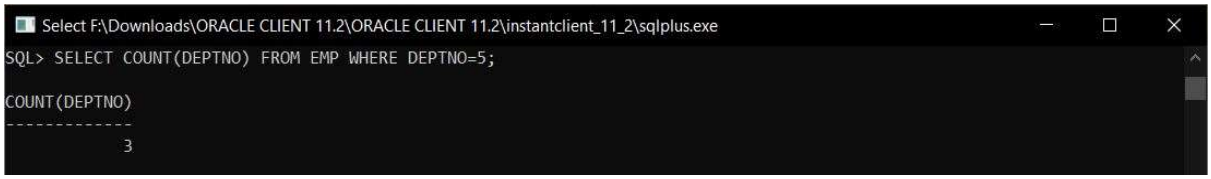
III. Find the total salary drawn by the employees who are all belonging to the department 9.



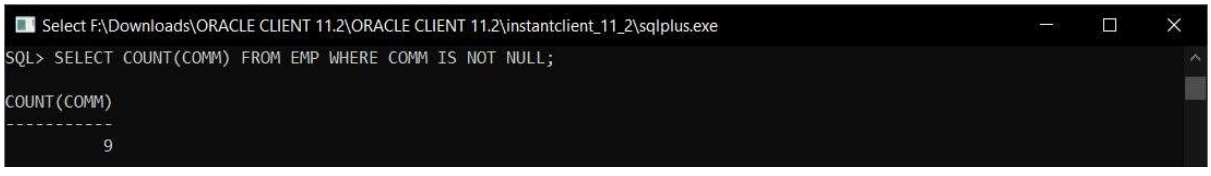
IV. Compute the average annual compensation of all sales people.



V. Count the number of employees in department 5.



VI. Count the number of employees who are all eligible to receive a commission.



VII. Count the distinct jobs in the employee table.

VIII. Find the maximum and minimum salary among all the employees.

```
Select F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe
SQL> SELECT MAX(SAL), MIN(SAL) FROM EMP;

  MAX(SAL)   MIN(SAL)
---------- ----------
     85000      40000
```

IX. Find the average salary of all the employees for the department 3.

```
Select F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe
SQL> SELECT AVG(SAL) FROM EMP WHERE DEPTNO=3;

  AVG(SAL)
----------
     80000
```

X. Find the number of employees of each department.

```
F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe

SQL> SELECT Deptno, COUNT(*)FROM Emp GROUP BY Deptno;

    DEPTNO   COUNT(*)
---------- ----------
         6          1
         1          1
         7          1
         2          1
         8          1
         4          2
         5          3
         3          2
         9          2

9 rows selected.
```

XI. Find the maximum salary of each department.

```
Select F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe
SQL> SELECT MAX(SAL) FROM EMP GROUP BY(DEPTNO);

  MAX(SAL)
----------
     50000
     70000
     45000
     80000
     40000
     67000
     73000
     85000
     70000

9 rows selected.
```

XII. Count the number of jobs in each job group.

```
Select F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe


SQL> SELECT COUNT(DEPTNO) FROM EMP GROUP BY(DEPTNO);

COUNT(DEPTNO)
-------------
            1
            1
            1
            1
            1
            2
            3
            2
            2

9 rows selected.
```

XIII. Find the average salary in each department.

```
Select F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe

SQL> SELECT AVG(SAL) FROM EMP GROUP BY(DEPTNO);

  AVG(SAL)
----------
     50000
     70000
     45000
     80000
     40000
     63500
64333.3333
     80000
     62500

9 rows selected.
```

XIV. Count the employees and calculate the average annual salary for each job group.

```
Select F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe

SQL> SELECT COUNT(JOB), AVG(SAL) FROM EMP GROUP BY(JOB);

COUNT(JOB)   AVG(SAL)
---------- ----------
         6 63333.3333
         1      85000
         3 60666.6667
         4      60750
```

XV. Find average salary for each job having salary above 50000.

```
Select F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe

SQL> SELECT JOB, AVG(SAL) FROM EMP WHERE SAL>50000 GROUP BY(JOB);

JOB          AVG(SAL)
---------- ----------
Intern          67000
Owner           85000
Worker     60666.6667
Manager         76500
```

XVI. Find the maximum salary from each department, which is having more than one employee.

```
Select F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe

SQL> SELECT M FROM(SELECT MAX(SAL) AS M, COUNT(DEPTNO) AS N FROM EMP GROUP BY(DEPTNO)) WHERE N>1;

         M
----------
     67000
     73000
     85000
     70000
```

XVII. Find the difference between highest and lowest salary of the employee table.

```
Select F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe

SQL> SELECT MAX(SAL)-MIN(SAL) FROM EMP;

MAX(SAL)-MIN(SAL)
-----------------
            45000
```

XVIII. List all the departments with at least two clerks.

```
Select F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe
SQL> SELECT M FROM (SELECT DEPTNO AS M, COUNT(JOB) AS N FROM EMP WHERE JOB='Intern' GROUP BY(DEPTNO)) WHERE N>=2;

         M
----------
         9
```

XIX. Display the list of employees hired from 1st mar 19 to 2nd mar 21.

XX. Find the number of employees joined in each year.