Assignment-1

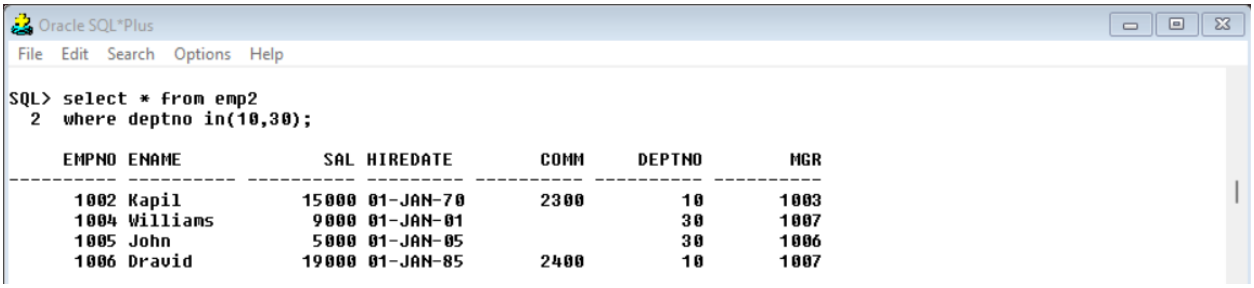
Dept Table:

DeptNo	Dname	Loc
10	Accounts	Bangalore
20	IT	Delhi
30	Production	Chennai
40	Sales	Hyd
50	Admn	London

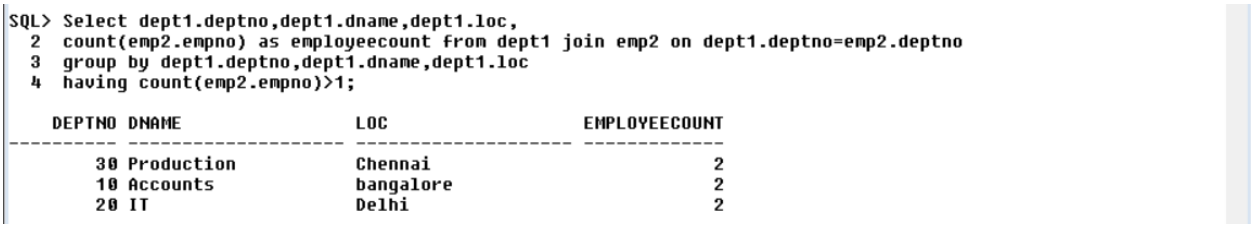
Emp Table:

EmpNo	Ename	Sal	Hire_Date	Commission	DeptNo	Mgr
1001	Sachin	19000	1-Jan-1980	2100	20	1003
1002	Kapil	15000	1-Jan-1970	2300	10	1003
1003	Stefen	12000	1-Jan-1990	500	20	1007
1004	Williams	9000	1-Jan-2001	NULL	30	1007
1005	John	5000	1-Jan-2005	NULL	30	1006
1006	Dravid	19000	1-Jan-1985	2400	10	1007
1007	Martin	21000	1-Jan-2000	1040	NULL	NULL

1) Select employee details of dept number 10 or 30



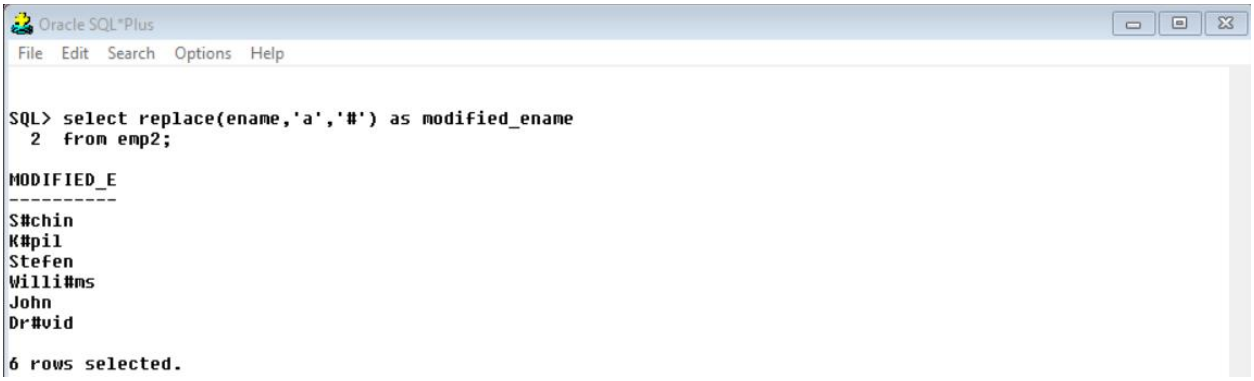
2) Write a query to fetch all the dept details with more than 1 Employee.



3) Write a query to fetch employee details whose name starts with the letter "**S**"

```
SQL> select * from emp
  2  where ename like 'S%';

     EMPNO ENAME      JOB              MGR HIREDATE         SAL       COMM
---------- ---------- --------- ---------- --------- ---------- ----------
    DEPTNO
----------
      7369 SMITH      CLERK           7902 17-DEC-80        800
        20

      7788 SCOTT      ANALYST         7566 19-APR-87       3000
        20
```

4) Write a SELECT statement to replace the char “a” with “#” in Employee Name (Ex: **Sachin** as **S#chin)**



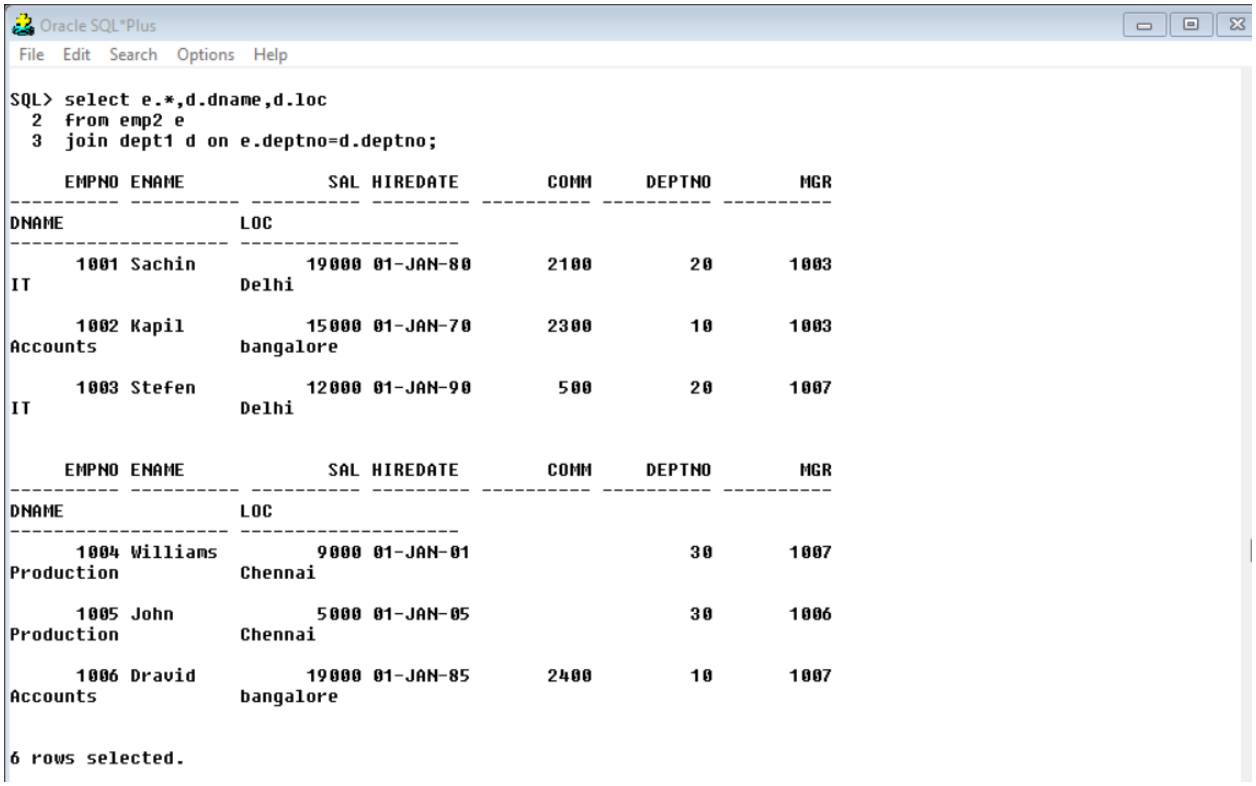
5) Write a query to fetch employee name and his/her manager name.

```
SQL> select e.ename,m.ename as mgr_name
  2  from emp2 e
  3  join emp2 m on e.mgr=m.empno;

ENAME      MGR_NAME
---------- ----------
Kapil      Stefen
Sachin     Stefen
John       Dravid
```

6) Fetch Dept Name , Total Salry of the Dept

```
SQL> select d.dname,sum(e.sal) as total_salary
  2  from dept1 d
  3  join emp2 e on d.deptno=e.deptno
  4  group by d.dname;

DNAME                TOTAL_SALARY
-------------------- ------------
Accounts                    34000
IT                          31000
Production                  14000
```

7) Write a query to fetch **ALL** the employee details along with department name, department location, irrespective of employee existance in the department.



```
Oracle SQL*Plus
File  Edit  Search  Options  Help

SQL> select e.*,d.dname,d.loc
  2  from emp2 e
  3  join dept1 d on e.deptno=d.deptno;

     EMPNO ENAME             SAL HIREDATE        COMM     DEPTNO        MGR
---------- ---------- ---------- --------- ---------- ---------- ----------
DNAME                LOC
-------------------- --------------------
      1001 Sachin          19000 01-JAN-80       2100         20       1003
IT                   Delhi

      1002 Kapil           15000 01-JAN-70       2300         10       1003
Accounts             bangalore

      1003 Stefen          12000 01-JAN-90        500         20       1007
IT                   Delhi


     EMPNO ENAME             SAL HIREDATE        COMM     DEPTNO        MGR
---------- ---------- ---------- --------- ---------- ---------- ----------
DNAME                LOC
-------------------- --------------------
      1004 Williams         9000 01-JAN-01                    30       1007
Production           Chennai

      1005 John             5000 01-JAN-05                    30       1006
Production           Chennai

      1006 Dravid          19000 01-JAN-85       2400         10       1007
Accounts             bangalore


6 rows selected.
```

8) Write an update statement to increase the employee salary by 10 %

```
SQL> update emp2
  2  set sal=sal*1.1;

6 rows updated.
```

9) Write a statement to delete employees belong to Chennai location.

```
SQL> select e.*
  2  from emp2 e
  3  join dept1 d on e.deptno=d.deptno where d.loc='Chennai';

     EMPNO ENAME             SAL HIREDATE        COMM     DEPTNO        MGR
---------- ---------- ---------- --------- ---------- ---------- ----------
      1004 Williams         9900 01-JAN-01                    30       1007
      1005 John             5500 01-JAN-05                    30       1006
```

10) Get Employee Name and gross salary (sal + comission) .

```
SQL> select ename,sal+comm as Gross_sal from emp2;

ENAME       GROSS_SAL
---------- ----------
Sachin          23000
Kapil           18800
Stefen          13700
Williams
John
Dravid          23300

6 rows selected.
```

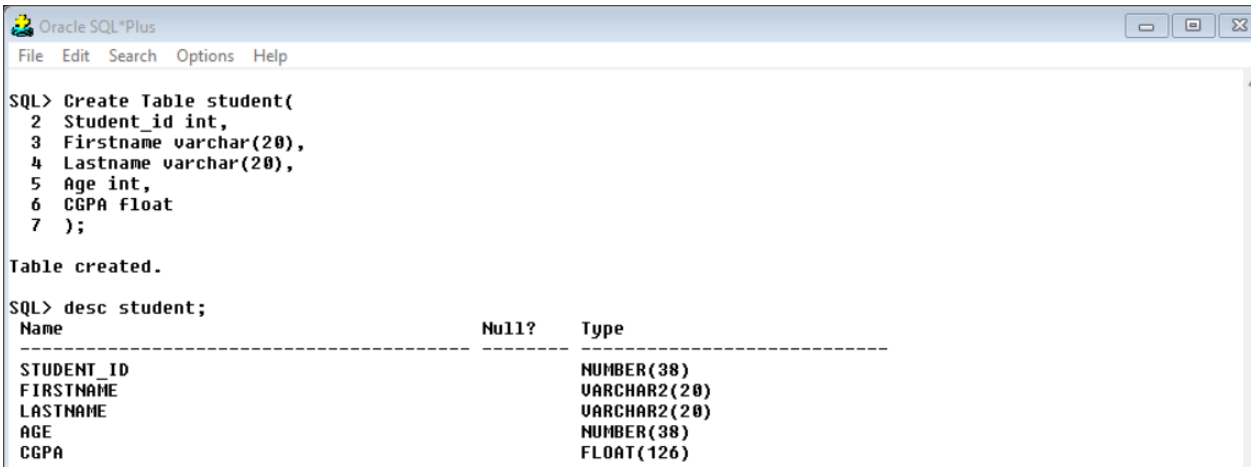
11) Increase the data length of the column Ename of Emp table from 100 to 250 using ALTER statement

```
SQL> alter table emp2
  2  modify ename varchar(250);

Table altered.
```

12) Write query to get current datetime

```
SQL>  ALTER SESSION SET NLS_DATE_FORMAT ='DD-MON-YYYY HH24:MI:SS';

Session altered.
```

13) Write a statement to create STUDENT table, with related 5 columns



14) Write a query to fetch number of employees in who is getting salary more than 10000

```
SQL> Select Count(*) AS NumEmployee From emp2
  2  Where Sal>10000;

NUMEMPLOYEE
-----------
          4
```

15) Write a query to fetch minimum salary, maximum salary and average salary from emp table.

```
SQL> Select MIN(Sal) AS MinSalary, MAX(Sal) AS MaxSalary,AVG(Sal) AS AvgSalary
  2  From emp2;

 MINSALARY  MAXSALARY  AVGSALARY
---------- ---------- ----------
      5500      20900 14483.3333
```

16) Write a query to fetch number of employees in each location

```
SQL> Select dept1.loc,count(emp2.empno) AS EmployeeCount From dept1
  2  LEFT JOIN emp2 on dept1.deptno=emp2.deptno
  3  group by dept1.loc;

LOC                  EMPLOYEECOUNT
-------------------- -------------
London                           0
Hyd                              0
Delhi                            2
bangalore                        2
Chennai                          2
```

17) Write a query to display emplyee names in descending order

18) Write a statement to create a new table(**EMP_BKP**) from the existing **EMP** table

```
SQL> create table emp_bkp as
  2  select * from emp2;

Table created.

SQL> desc emp_bkp;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 EMPNO                                              NUMBER(38)
 ENAME                                              VARCHAR2(250)
 SAL                                                FLOAT(126)
 HIREDATE                                           DATE
 COMM                                               FLOAT(126)
 DEPTNO                                             NUMBER(38)
 MGR                                                NUMBER(38)
```

19) Write a query to fetch first 3 characters from employee name appended with salary.

```
SQL> Select CONCAT(SUBSTRING(Ename,1,3),Sal) AS ModifiedNameAndSalary From emp2;
Select CONCAT(SUBSTRING(Ename,1,3),Sal) AS ModifiedNameAndSalary From emp2
               *
```