DATABASE ASSIGNMENT 3

1. Retrieve the details (Name, Salary and dept no) of the emp who are working in

department code 20, 30 and 40.

```
mysql> select ename, sal, deptno from emp where deptno in(20,30,40);
 ename | sal | deptno
 SMITH | 800.00 |
                        20
 ALLEN
          1600.00
                        30
 WARD
          1250.00
                        30
 JONES
          2975.00
                        20
 MARTIN
          1250.00
                        30
 BLAKE
          2850.00
                        30
          3000.00
 SCOTT
                        20
 TURNER | 1500.00
                        30
 ADAMS
          1100.00
                        20
  JAMES
           950.00
                        30
 FORD
          3000.00
                        20
11 rows in set (0.00 sec)
```

2. Display the total salary of all employees . Total salary will be calculated as

sal+comm+sal*0.10

```
mysql> select sal, sal + ifnull( comm,0) +sal*0.10 "salary" from emp;
 sal
          salary
  800.00 | 880.0000
1600.00 | 2060.0000
 1600.00
          1875.0000
 1250.00
 2975.00
          3272.5000
 1250.00
          2775.0000
 2850.00
          3135.0000
 2450.00
          2695.0000
 3000.00
          3300.0000
 5000.00
          5500.0000
 1500.00
          1650.0000
 1100.00
          1210.0000
          1045.0000
  950.00
 3000.00
            3300.0000
 1300.00 | 1430.0000
14 rows in set (0.00 sec)
```

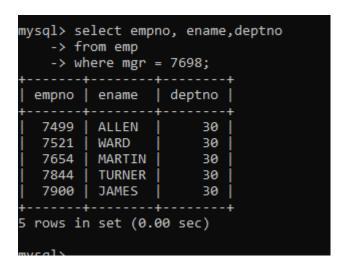
3. List the Name and job of the emp who have joined before 1 jan 1986 and whose

salary range is between 1200and 2500. Display the columns with user defined Column

headers.

4. List the empno, name, and department number of the emp works under manager

with id 7698



5. List the name, job, and salary of the emp who are working in departments 10 and

30.

```
mysql> select ename,job,sal from emp where deptno in(10,30);
 ename | job
                   sal
       | SALESMAN | 1600.00
 ALLEN
 WARD
        SALESMAN
                  1250.00
 MARTIN | SALESMAN
                   1250.00
 BLAKE
         MANAGER
                   2850.00
 CLARK
         MANAGER
                   2450.00
         PRESIDENT | 5000.00
 KING
 TURNER | SALESMAN
                   1500.00
 JAMES
        CLERK
                    950.00
 MILLER | CLERK
                    1300.00
 rows in set (0.00 sec)
```

6. Display name concatenated with dept code separated by comma and space. Name

the column as 'Emp info'.

```
mysql> select concat(ename,',',deptno) 'Emp info' from emp;
 Emp info
 SMITH, 20
 ALLEN,30
 WARD,30
  JONES, 20
 MARTIN, 30
 BLAKE,30
 CLARK, 10
 SCOTT, 20
 KING, 10
 TURNER,30
 ADAMS, 20
  JAMES,30
  FORD, 20
 MILLER,10
14 rows in set (0.06 sec)
```

7. Display the emp details who do not have manager.

8. Write a query which will display name, department no and date of joining of all

employee who were joined January 1, 1981 and March 31, 1983. Sort it based on date of

joining (ascending).

select ename, deptno, hiredate

from emp

where hiredate between '1981-1-1' and '1983-3-31'

order by hiredate

```
nysql> select ename,deptno,hiredate from emp where hiredate between '1981-01-01' and '1983-03-31' order by hiredate;
        | deptno | hiredate
                    1981-02-22
 JONES
                    1981-04-02
 BLAKE
               30
                    1981-05-01
 CLARK
                    1981-06-09
               30
10
30
 MARTIN
 KING
JAMES
                    1981-11-17
               20
 FORD
 ADAMS
                    1983-01-12
  rows in set (0.00 sec)
```

9. Display the employee details where the job contains word 'AGE' anywhere in the Job

11. List the details of the employee , whose names start with 'A' and end with 'S' or

whose names contains N as the second or third character, and ending with either 'N' or 'S'.

```
mysql> select ename from emp where ename regexp '^a.*s$|^..?n.*[ns]$';
+-----+
| ename |
+-----+
| JONES |
| ADAMS |
+-----+
2 rows in set (0.00 sec)
```