

## 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
SCOTT	3000.00	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
1250.00	1875.0000
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
950.00	1045.0000
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 1200 and 2500. Display the columns with user defined Column headers.

```
mysql> select ename,job from emp where hiredate < '1986-01-01' and sal between 1200 and 2500;
+-----+-----+
| ename | job   |
+-----+-----+
| ALLEN | SALESMAN |
| WARD  | SALESMAN |
| MARTIN | SALESMAN |
| CLARK | MANAGER |
| TURNER | SALESMAN |
| MILLER | CLERK   |
+-----+-----+
6 rows in set (0.00 sec)
```

4. List the empno, name, and department number of the emp works under manager with id 7698

```
mysql> select empno, ename,deptno
-> from emp
-> where mgr = 7698;
+-----+-----+-----+
| empno | ename | deptno |
+-----+-----+-----+
| 7499  | ALLEN | 30     |
| 7521  | WARD  | 30     |
| 7654  | MARTIN | 30     |
| 7844  | TURNER | 30     |
| 7900  | JAMES | 30     |
+-----+-----+-----+
5 rows in set (0.00 sec)
```

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
ALLEN	SALESMAN	1600.00
WARD	SALESMAN	1250.00
MARTIN	SALESMAN	1250.00
BLAKE	MANAGER	2850.00
CLARK	MANAGER	2450.00
KING	PRESIDENT	5000.00
TURNER	SALESMAN	1500.00
JAMES	CLERK	950.00
MILLER	CLERK	1300.00

```
9 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.

```
mysql> select * from emp where mgr is null;
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7839	KING	PRESIDENT	NULL	1981-11-17	5000.00	NULL	10

```
1 row in set (0.00 sec)
```

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

```
mysql> select ename,deptno,hiredate from emp where hiredate between '1981-01-01' and '1983-03-31' order by hiredate;
```

ename	deptno	hiredate
ALLEN	30	1981-02-20
WARD	30	1981-02-22
JONES	20	1981-04-02
BLAKE	30	1981-05-01
CLARK	10	1981-06-09
TURNER	30	1981-09-08
MARTIN	30	1981-09-28
KING	10	1981-11-17
JAMES	30	1981-12-03
FORD	20	1981-12-03
MILLER	10	1982-01-23
SCOTT	20	1982-12-09
ADAMS	20	1983-01-12

```
13 rows in set (0.00 sec)
```

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

```
mysql> select job from emp where job regexp '^. *age.*$';
+-----+
| job   |
+-----+
| MANAGER |
| MANAGER |
| MANAGER |
+-----+
3 rows in set (0.02 sec)

mysql> select job from emp where job like '%age%';
+-----+
| job   |
+-----+
| MANAGER |
| MANAGER |
| MANAGER |
+-----+
3 rows in set (0.00 sec)
```

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)
```