

## ASSIGNMENT 3

USE THE FOLLOWING TABLES :

EMP(EMPNO, ENAME, JOB, SAL, HIREDATE, COMM, MGR, DEPTNO)

emp :

empno decimal(4,0) NOT NULL,

ename varchar(10) default

NULL, job varchar(9) default

NULL, mgr decimal(4,0) default

NULL, hiredate date default

NULL,

sal decimal(7,2) default NULL,

comm decimal(7,2) default NULL,

deptno decimal(2,0) default NULL;

mysql> create table emp(

-> empno decimal(4,0) NOT NULL,

-> ename varchar(10) default NULL,

-> job varchar(9) default NULL,

-> mgr decimal(4,0) default NULL,

-> hiredate date default NULL,

-> sal decimal(7,2) default NULL,

-> comm decimal(7,2) default NULL,

-> deptno decimal(2,0) default NULL

-> );

mysql> describe emp;

Field	Type	Null	Key	Default	Extra
empno	decimal(4,0)	NO		NULL	
ename	varchar(10)	YES		NULL	
job	varchar(9)	YES		NULL	
mgr	decimal(4,0)	YES		NULL	
hiredate	date	YES		NULL	
sal	decimal(7,2)	YES		NULL	
comm	decimal(7,2)	YES		NULL	
deptno	decimal(2,0)	YES		NULL	

8 rows in set (0.04 sec)

DEPT(DEPTNO, DNAME, LOC)

dept:

deptno decimal(2,0) default NULL,  
dname varchar(14) default NULL,  
loc varchar(13) default NULL;

```
mysql> create table dept(  
-> deptno decimal(2,0) default NULL,  
-> dname varchar(14) default NULL,  
-> loc varchar(13) default NULL  
-> );
```

```
mysql> describe dept;
```

Field	Type	Null	Key	Default	Extra
deptno	decimal(2,0)	YES		NULL	
dname	varchar(14)	YES		NULL	
loc	varchar(13)	YES		NULL	

3 rows in set (0.00 sec)

INSERT INTO emp:

```
'7369','SMITH','CLERK','7902','1980-12-17','800.00',NULL,'20';  
'7499','ALLEN','SALESMAN','7698','1981-02-20','1600.00','300.00','30';  
'7521','WARD','SALESMAN','7698','1981-02-22','1250.00','500.00','30';  
'7566','JONES','MANAGER','7839','1981-04-02','2975.00',NULL,'20';  
'7654','MARTIN','SALESMAN','7698','1981-09-28','1250.00','1400.00','30';  
'7698','BLAKE','MANAGER','7839','1981-05-01','2850.00',NULL,'30';  
'7782','CLARK','MANAGER','7839','1981-06-09','2450.00',NULL,'10';  
'7788','SCOTT','ANALYST','7566','1982-12-09','3000.00',NULL,'20';  
'7839','KING','PRESIDENT',NULL,'1981-11-17','5000.00',NULL,'10';  
'7844','TURNER','SALESMAN','7698','1981-09-08','1500.00','0.00','30';  
'7876','ADAMS','CLERK','7788','1983-01-12','1100.00',NULL,'20';  
'7900','JAMES','CLERK','7698','1981-12-03','950.00',NULL,'30';  
'7902','FORD','ANALYST','7566','1981-12-03','3000.00',NULL,'20';
```

'7934','MILLER','CLERK','7782','1982-01-23','1300.00',NULL,'10');

mysql> insert into emp

-> values

-> ('7369','SMITH','CLERK','7902','1980-12-17','800.00',NULL,'20'),  
 -> ('7499','ALLEN','SALESMAN','7698','1981-02-20','1600.00','300.00','30'),  
 -> ('7521','WARD','SALESMAN','7698','1981-02-22','1250.00','500.00','30'),  
 -> ('7566','JONES','MANAGER','7839','1981-04-02','2975.00',NULL,'20'),  
 -> ('7654','MARTIN','SALESMAN','7698','1981-09-28','1250.00','1400.00','30'),  
 -> ('7698','BLAKE','MANAGER','7839','1981-05-01','2850.00',NULL,'30'),  
 -> ('7782','CLARK','MANAGER','7839','1981-06-09','2450.00',NULL,'10'),  
 -> ('7788','SCOTT','ANALYST','7566','1982-12-09','3000.00',NULL,'20'),  
 -> ('7839','KING','PRESIDENT',NULL,'1981-11-17','5000.00',NULL,'10'),  
 -> ('7844','TURNER','SALESMAN','7698','1981-09-08','1500.00','0.00','30'),  
 -> ('7876','ADAMS','CLERK','7788','1983-01-12','1100.00',NULL,'20'),  
 -> ('7900','JAMES','CLERK','7698','1981-12-03','950.00',NULL,'30'),  
 -> ('7902','FORD','ANALYST','7566','1981-12-03','3000.00',NULL,'20'),  
 -> ('7934','MILLER','CLERK','7782','1982-01-23','1300.00',NULL,'10');

mysql> select \*from emp;

empno	ename	job	mgr	hiredate	sal	comm	deptno
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20
7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20
7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30
7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30
7782	CLARK	MANAGER	7839	1981-06-09	2450.00	NULL	10
7788	SCOTT	ANALYST	7566	1982-12-09	3000.00	NULL	20
7839	KING	PRESIDENT	NULL	1981-11-17	5000.00	NULL	10
7844	TURNER	SALESMAN	7698	1981-09-08	1500.00	0.00	30
7876	ADAMS	CLERK	7788	1983-01-12	1100.00	NULL	20
7900	JAMES	CLERK	7698	1981-12-03	950.00	NULL	30
7902	FORD	ANALYST	7566	1981-12-03	3000.00	NULL	20
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10

14 rows in set (0.00 sec)

INSERT INTO dept:

'10','ACCOUNTING','NEW YORK';

'20','RESEARCH','DALLAS';

'30','SALES','CHICAGO';

'40','OPERATIONS','BOSTON';

mysql> insert into dept

-> values

-> ('10','ACCOUNTING','NEW YORK'),

-> ('20','RESEARCH','DALLAS'),

-> ('30','SALES','CHICAGO'),

-> ('40','OPERATIONS','BOSTON');

mysql> select \*from dept;

deptno	dname	loc
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO
40	OPERATIONS	BOSTON

4 rows in set (0.00 sec)

PERFORM THE FOLLOWING QUERIES :

1. List all rows of the table

EMP. mysql> select \*from emp;

empno	ename	job	mgr	hiredate	sal	comm	deptno
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20
7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20
7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30
7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30
7782	CLARK	MANAGER	7839	1981-06-09	2450.00	NULL	10
7788	SCOTT	ANALYST	7566	1982-12-09	3000.00	NULL	20
7839	KING	PRESIDENT	NULL	1981-11-17	5000.00	NULL	10
7844	TURNER	SALESMAN	7698	1981-09-08	1500.00	0.00	30
7876	ADAMS	CLERK	7788	1983-01-12	1100.00	NULL	20
7900	JAMES	CLERK	7698	1981-12-03	950.00	NULL	30
7902	FORD	ANALYST	7566	1981-12-03	3000.00	NULL	20
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10

14 rows in set (0.00 sec)

2. List all rows of the table

DEPT. mysql> select \*from dept;

deptno	dname	loc
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO
40	OPERATIONS	BOSTON

4 rows in set (0.00 sec)

3. List  
all  
employees  
number and  
employees  
names from  
EMP.

mysql> select ename,empno

-> from emp;

ename	empno
SMITH	7369
ALLEN	7499
WARD	7521
JONES	7566
MARTIN	7654
BLAKE	7698
CLARK	7782
SCOTT	7788
KING	7839
TURNER	7844
ADAMS	7876
JAMES	7900
FORD	7902
MILLER	7934

14 rows in set (0.00 sec)

4. List all distinct jobs from EMP.

mysql> select distinct job from emp;

job
CLERK
SALESMAN
MANAGER
ANALYST
PRESIDENT

5 rows in set (0.00 sec)

5. List all employees data in the format : SMITH IS A CLERK .....

mysql> SELECT CONCAT(ename, ' IS A ', job) AS employee\_data FROM emp;

employee_data
SMITH IS A CLERK
ALLEN IS A SALESMAN
WARD IS A SALESMAN
JONES IS A MANAGER
MARTIN IS A SALESMAN
BLAKE IS A MANAGER
CLARK IS A MANAGER
SCOTT IS A ANALYST
KING IS A PRESIDENT
TURNER IS A SALESMAN
ADAMS IS A CLERK
JAMES IS A CLERK
FORD IS A ANALYST
MILLER IS A CLERK

14 rows in set (0.00 sec)

6. List employees names, Sal and annual sal from Emp table.

```
mysql> select ename,sal,sal*12 from emp;
```

ename	sal	sal*12
SMITH	800.00	9600.00
ALLEN	1600.00	19200.00
WARD	1250.00	15000.00
JONES	2975.00	35700.00
MARTIN	1250.00	15000.00
BLAKE	2850.00	34200.00
CLARK	2450.00	29400.00
SCOTT	3000.00	36000.00
KING	5000.00	60000.00
TURNER	1500.00	18000.00
ADAMS	1100.00	13200.00
JAMES	950.00	11400.00
FORD	3000.00	36000.00
MILLER	1300.00	15600.00

14 rows in set (0.00 sec)

7. Develop a salary sheet from emp table consisting of empno, ename, job, sal, comm, house rent computed at 25% of sal, Medical Allowance at 15% of sal, Transport Allowance at 10% of sal, and Net salary consisting of sal, house rent, medical allowance, transport allowance and comm. of the employees.

```
mysql> SELECT
```

```

-> empno,
-> ename,
-> job,
-> sal,
-> comm,
-> sal * 0.25 AS house_rent,
-> sal * 0.15 AS medical_allowance,
-> sal * 0.10 AS transport_allowance,
-> sal + sal * 0.25 + sal * 0.15 + sal * 0.10 + COALESCE(comm, 0) AS net_salary
-> FROM emp;
```

empno	ename	job	sal	comm	house_rent	medical_allowance	transport_allowance	net_salary
7369	SMITH	CLERK	800.00	NULL	200.0000	120.0000	80.0000	1200.0000
7499	ALLEN	SALESMAN	1600.00	300.00	400.0000	240.0000	160.0000	2700.0000
7521	WARD	SALESMAN	1250.00	500.00	312.5000	187.5000	125.0000	2375.0000
7566	JONES	MANAGER	2975.00	NULL	743.7500	446.2500	297.5000	4462.5000
7654	MARTIN	SALESMAN	1250.00	1400.00	312.5000	187.5000	125.0000	3275.0000
7698	BLAKE	MANAGER	2850.00	NULL	712.5000	427.5000	285.0000	4275.0000
7782	CLARK	MANAGER	2450.00	NULL	612.5000	367.5000	245.0000	3675.0000
7788	SCOTT	ANALYST	3000.00	NULL	750.0000	450.0000	300.0000	4500.0000
7839	KING	PRESIDENT	5000.00	NULL	1250.0000	750.0000	500.0000	7500.0000
7844	TURNER	SALESMAN	1500.00	0.00	375.0000	225.0000	150.0000	2250.0000
7876	ADAMS	CLERK	1100.00	NULL	275.0000	165.0000	110.0000	1650.0000
7900	JAMES	CLERK	950.00	NULL	237.5000	142.5000	95.0000	1425.0000
7902	FORD	ANALYST	3000.00	NULL	750.0000	450.0000	300.0000	4500.0000
7934	MILLER	CLERK	1300.00	NULL	325.0000	195.0000	130.0000	1950.0000

14 rows in set (0.00 sec)

8. List all employees who are managers.

mysql> select ename

-> from emp

-> where job="manager";

ename
JONES
BLAKE
CLARK

3 rows in set (0.00 sec)

9. List of all employees who are either manager or employees.

mysql> select empno,ename,'Manager' AS job

-> from emp

-> where job='Manager'

-> union

-> select empno,ename,'Employee' AS job

-> from emp

-> where job='Employee';

empno	ename	job
7566	JONES	Manager
7698	BLAKE	Manager
7782	CLARK	Manager

3 rows in set (0.00 sec)



10. List of all employees who are managers of department number 10.

mysql> select ename

-> from emp

-> where job='Manager' AND deptno='10';

```
+-----+
| ename |
+-----+
| CLARK |
+-----+
1 row in set (0.00 sec)
```

11. List of all employees who are clerk of department number 10.

mysql> select ename

-> from emp

-> where job='clerk' and deptno='10';

```
+-----+
| ename |
+-----+
| MILLER |
+-----+
1 row in set (0.00 sec)
```

12. List of all employees who are not

manager. mysql> select ename

-> from emp

-> where job!='Manager';

```
+-----+
| ename |
+-----+
| SMITH |
| ALLEN |
| WARD  |
| MARTIN |
| SCOTT |
| KING  |
| TURNER |
| ADAMS |
| JAMES |
| FORD  |
| MILLER |
+-----+
11 rows in set (0.00 sec)
```

13. List of all employees who are working in department number 10.

mysql> select ename

-> from emp

-> where deptno=10;

```
+-----+
| ename |
+-----+
| CLARK |
| KING  |
| MILLER|
+-----+
3 rows in set (0.00 sec)
```

14. List of all employees who are not working in department number 10,12.

mysql> select ename

-> from emp

-> where deptno!=10 and deptno!=12;

```
+-----+
| ename |
+-----+
| SMITH  |
| ALLEN  |
| WARD   |
| JONES  |
| MARTIN |
| BLAKE  |
| SCOTT  |
| TURNER |
| ADAMS  |
| JAMES  |
| FORD   |
+-----+
11 rows in set (0.00 sec)
```

15. List of all employee who are either manager of department number 10 or are analyst.

```
mysql> select ename
```

```
-> from emp
```

```
-> where job='Manager' and deptno=10 or job='Analyst';
```

ename
CLARK
SCOTT
FORD

3 rows in set (0.00 sec)

16. Change the column heading Job into designation.

```
mysql> alter table emp
```

```
-> change column job Designation varchar(9);
```

```
mysql> select * from emp;
```

empno	ename	Designation	mgr	hiredate	sal	comm	deptno
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20
7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20
7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30
7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30
7782	CLARK	MANAGER	7839	1981-06-09	2450.00	NULL	10
7788	SCOTT	ANALYST	7566	1982-12-09	3000.00	NULL	20
7839	KING	PRESIDENT	NULL	1981-11-17	5000.00	NULL	10
7844	TURNER	SALESMAN	7698	1981-09-08	1500.00	0.00	30
7876	ADAMS	CLERK	7788	1983-01-12	1100.00	NULL	20
7900	JAMES	CLERK	7698	1981-12-03	950.00	NULL	30
7902	FORD	ANALYST	7566	1981-12-03	3000.00	NULL	20
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10

14 rows in set (0.00 sec)

17. List all salesman and add 500 rupees in each

salary. mysql> update emp

-> set sal=sal+500

-> where Designation='Salesman';

mysql> select \*from emp;

empno	ename	Designation	mgr	hiredate	sal	comm	deptno
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20
7499	ALLEN	SALESMAN	7698	1981-02-20	2100.00	300.00	30
7521	WARD	SALESMAN	7698	1981-02-22	1750.00	500.00	30
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20
7654	MARTIN	SALESMAN	7698	1981-09-28	1750.00	1400.00	30
7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30
7782	CLARK	MANAGER	7839	1981-06-09	2450.00	NULL	10
7788	SCOTT	ANALYST	7566	1982-12-09	3000.00	NULL	20
7839	KING	PRESIDENT	NULL	1981-11-17	5000.00	NULL	10
7844	TURNER	SALESMAN	7698	1981-09-08	2000.00	0.00	30
7876	ADAMS	CLERK	7788	1983-01-12	1100.00	NULL	20
7900	JAMES	CLERK	7698	1981-12-03	950.00	NULL	30
7902	FORD	ANALYST	7566	1981-12-03	3000.00	NULL	20
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10

14 rows in set (0.00 sec)

18. List all employees having salary between 2000 and 3000.

mysql> select ename

-> from emp

-> where sal between 2000 and 3000;

ename
ALLEN
JONES
BLAKE
CLARK
SCOTT
TURNER
FORD

7 rows in set (0.00 sec)

19. List all employees and find 5% from each salary.

mysql> select ename,sal,(sal\*0.05)AS FivePercentOfSalary

-> from emp;

ename	sal	FivePercentOfSalary
SMITH	800.00	40.0000
ALLEN	2100.00	105.0000
WARD	1750.00	87.5000
JONES	2975.00	148.7500
MARTIN	1750.00	87.5000
BLAKE	2850.00	142.5000
CLARK	2450.00	122.5000
SCOTT	3000.00	150.0000
KING	5000.00	250.0000
TURNER	2000.00	100.0000
ADAMS	1100.00	55.0000
JAMES	950.00	47.5000
FORD	3000.00	150.0000
MILLER	1300.00	65.0000

14 rows in set (0.00 sec)

20. Find the 10% of manager salary.

```
mysql> select ename ,sal,(sal*0.1)AS TenPercentOfSalary  
-> from emp  
-> where Designation='Manager';
```

ename	sal	TenPercentOfSalary
JONES	2975.00	297.500
BLAKE	2850.00	285.000
CLARK	2450.00	245.000

3 rows in set (0.00 sec)

21. Find the daily wages of each employees.

```
mysql> select ename ,sal,(sal/30)AS  
DailyWage
```

-> from emp;

ename	sal	DailyWage
SMITH	800.00	26.666667
ALLEN	2100.00	70.000000
WARD	1750.00	58.333333
JONES	2975.00	99.166667
MARTIN	1750.00	58.333333
BLAKE	2850.00	95.000000
CLARK	2450.00	81.666667
SCOTT	3000.00	100.000000
KING	5000.00	166.666667
TURNER	2000.00	66.666667
ADAMS	1100.00	36.666667
JAMES	950.00	31.666667
FORD	3000.00	100.000000
MILLER	1300.00	43.333333

22. Combine ename and job from emp.

mysql> select ename,Designation,CONCAT(ename,',',Designation)AS EnameAndJob

-> from emp;

ename	Designation	EnameAndJob
SMITH	CLERK	SMITH,CLERK
ALLEN	SALESMAN	ALLEN,SALESMAN
WARD	SALESMAN	WARD,SALESMAN
JONES	MANAGER	JONES,MANAGER
MARTIN	SALESMAN	MARTIN,SALESMAN
BLAKE	MANAGER	BLAKE,MANAGER
CLARK	MANAGER	CLARK,MANAGER
SCOTT	ANALYST	SCOTT,ANALYST
KING	PRESIDENT	KING,PRESIDENT
TURNER	SALESMAN	TURNER,SALESMAN
ADAMS	CLERK	ADAMS,CLERK
JAMES	CLERK	JAMES,CLERK
FORD	ANALYST	FORD,ANALYST
MILLER	CLERK	MILLER,CLERK

14 rows in set (0.00 sec)

23. Combine ename, job and salary from emp.

```
mysql> select ename,Designation,sal,CONCAT(ename,',',Designation,',',sal)AS EnameJobSal
-> from emp;
```

ename	Designation	sal	EnameJobSal
SMITH	CLERK	800.00	SMITH,CLERK,800.00
ALLEN	SALESMAN	2100.00	ALLEN,SALESMAN,2100.00
WARD	SALESMAN	1750.00	WARD,SALESMAN,1750.00
JONES	MANAGER	2975.00	JONES,MANAGER,2975.00
MARTIN	SALESMAN	1750.00	MARTIN,SALESMAN,1750.00
BLAKE	MANAGER	2850.00	BLAKE,MANAGER,2850.00
CLARK	MANAGER	2450.00	CLARK,MANAGER,2450.00
SCOTT	ANALYST	3000.00	SCOTT,ANALYST,3000.00
KING	PRESIDENT	5000.00	KING,PRESIDENT,5000.00
TURNER	SALESMAN	2000.00	TURNER,SALESMAN,2000.00
ADAMS	CLERK	1100.00	ADAMS,CLERK,1100.00
JAMES	CLERK	950.00	JAMES,CLERK,950.00
FORD	ANALYST	3000.00	FORD,ANALYST,3000.00
MILLER	CLERK	1300.00	MILLER,CLERK,1300.00

14 rows in set (0.00 sec)

24. Join ename and job, then change the column heading as comp\_name.

```
mysql> select ename,Designation,CONCAT(ename,',',Designation)AS comp_name
-> from emp;
```

ename	Designation	comp_name
SMITH	CLERK	SMITH,CLERK
ALLEN	SALESMAN	ALLEN,SALESMAN
WARD	SALESMAN	WARD,SALESMAN
JONES	MANAGER	JONES,MANAGER
MARTIN	SALESMAN	MARTIN,SALESMAN
BLAKE	MANAGER	BLAKE,MANAGER
CLARK	MANAGER	CLARK,MANAGER
SCOTT	ANALYST	SCOTT,ANALYST
KING	PRESIDENT	KING,PRESIDENT
TURNER	SALESMAN	TURNER,SALESMAN
ADAMS	CLERK	ADAMS,CLERK
JAMES	CLERK	JAMES,CLERK
FORD	ANALYST	FORD,ANALYST
MILLER	CLERK	MILLER,CLERK

14 rows in set (0.00 sec)

25. List all records as follows. Smith is clerk and he is working in Dept no 20 Since 12-Mar-1981.



```
mysql> select CONCAT(ename,' ','is',' ',Designation,' ','and he is working in',' ',deptno,' ','since',' ',hiredate)AS Details
-> from emp;
```

Details
SMITH is CLERK and he is working in 20 since 1980-12-17
ALLEN is SALESMAN and he is working in 30 since 1981-02-20
WARD is SALESMAN and he is working in 30 since 1981-02-22
JONES is MANAGER and he is working in 20 since 1981-04-02
MARTIN is SALESMAN and he is working in 30 since 1981-09-28
BLAKE is MANAGER and he is working in 30 since 1981-05-01
CLARK is MANAGER and he is working in 10 since 1981-06-09
SCOTT is ANALYST and he is working in 20 since 1982-12-09
KING is PRESIDENT and he is working in 10 since 1981-11-17
TURNER is SALESMAN and he is working in 30 since 1981-09-08
ADAMS is CLERK and he is working in 20 since 1983-01-12
JAMES is CLERK and he is working in 30 since 1981-12-03
FORD is ANALYST and he is working in 20 since 1981-12-03
MILLER is CLERK and he is working in 10 since 1982-01-23

14 rows in set (0.00 sec)

26. Find those employees whose commission is less then their salaries.

```
mysql> select ename,sal,comm
-> from emp
-> where comm<sal;
```

ename	sal	comm
ALLEN	2100.00	300.00
WARD	1750.00	500.00
MARTIN	1750.00	1400.00
TURNER	2000.00	0.00

4 rows in set (0.00 sec)

```
mysql> select *from emp
```

-> where COALESCE(comm,0)<sal;

empno	ename	Designation	mgr	hiredate	sal	comm	deptno
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20
7499	ALLEN	SALESMAN	7698	1981-02-20	2100.00	300.00	30
7521	WARD	SALESMAN	7698	1981-02-22	1750.00	500.00	30
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20
7654	MARTIN	SALESMAN	7698	1981-09-28	1750.00	1400.00	30
7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30
7782	CLARK	MANAGER	7839	1981-06-09	2450.00	NULL	10
7788	SCOTT	ANALYST	7566	1982-12-09	3000.00	NULL	20
7839	KING	PRESIDENT	NULL	1981-11-17	5000.00	NULL	10
7844	TURNER	SALESMAN	7698	1981-09-08	2000.00	0.00	30
7876	ADAMS	CLERK	7788	1983-01-12	1100.00	NULL	20
7900	JAMES	CLERK	7698	1981-12-03	950.00	NULL	30
7902	FORD	ANALYST	7566	1981-12-03	3000.00	NULL	20
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10

27. Find those employees whose mgr is 7902, 7566, 7788.

mysql> select ename,mgr

-> from emp

-> where mgr in(7902,7566,7788);

ename	mgr
SMITH	7902
SCOTT	7566
ADAMS	7788
FORD	7566

4 rows in set (0.00 sec)

28. List all employees whose name start with 'S'.

```
mysql> select ename
```

```
-> from emp
```

```
-> where ename like 'S%';
```

```
+-----+
| ename |
+-----+
| SMITH |
| SCOTT |
+-----+
2 rows in set (0.00 sec)
```

29. List all employees having last letter in their name 'R' or 'N'.

```
mysql> select ename
```

```
-> from emp
```

```
-> where ename like '%R' or ename like '%N';
```

```
+-----+
| ename |
+-----+
| ALLEN |
| MARTIN |
| TURNER |
| MILLER |
+-----+
4 rows in set (0.00 sec)
```

30. List all employees having first letter in there name 'W', or 'K' and they don't belong to department number 10 or 20.

```
mysql> SELECT *
```

```
-> FROM emp
```

```
-> WHERE (ename LIKE 'W%' OR ename LIKE 'K%')
```

```
-> AND deptno NOT IN (10, 20);
```

```
+-----+-----+-----+-----+-----+-----+-----+-----+
| empno | ename | Designation | mgr | hiredate | sal | comm | deptno |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 7521 | WARD | SALESMAN | 7698 | 1981-02-22 | 1750.00 | 500.00 | 30 |
+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```