

1. To list all records with sal > 2000 and comm>200

Ans :

```
mysql> select *
```

```
-> from emp
```

```
-> where sal > 2000 and comm > 200;
```

Empty set (0.00 sec)

2. To list all record with job='Clerk' or sal>2000

Ans :

```
mysql> select *
```

```
-> from emp
```

```
-> where job='clerk' or sal>2000;
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20
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
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

10 rows in set (0.01 sec)

3. To list all the record with sal=1250 or 1100 or 2850

Ans:-

```
mysql> select *
```

```
-> from emp
```

```
-> where sal in(1250,1100,2850);
```

```
mysql> select *
-> from emp
-> where sal in(1250,1100,2850);
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30
7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30
7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30
7876	ADAMS	CLERK	7788	1983-01-12	1100.00	NULL	20

4 rows in set (0.00 sec)

4. To list all employees with sal>1250 and <2850

Ans:-

```
mysql> select *
```

```
-> from emp
```

```
-> where sal between 1250 and 2850;
```

```
mysql> select *
      -> from emp
      -> where sal between 1250 and 2850;
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30
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
7844	TURNER	SALESMAN	7698	1981-09-08	1500.00	0.00	30
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10

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

5. To list all employees with name ends with AS

Ans:-

```
mysql> select *
```

```
-> from emp
```

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

```
Empty set (0.04 sec)
```

6. To list all employees with job starts with C and ends with K

Ans:-

```
mysql> select *
```

```
-> from emp
```

```
-> where job like 'c%k';
```

```
mysql> select *
-> from emp
-> where job like 'c%k';
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20
7876	ADAMS	CLERK	7788	1983-01-12	1100.00	NULL	20
7900	JAMES	CLERK	7698	1981-12-03	950.00	NULL	30
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10

4 rows in set (0.00 sec)

7. To list all employees with job contains L at third position and M at third last position

Ans:-

```
mysql> select *
-> from emp
-> where job like '__l%m__';
```

```
mysql> select *
-> from emp
-> where job like '__l%m__';
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30
7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30
7844	TURNER	SALESMAN	7698	1981-09-08	1500.00	0.00	30

4 rows in set (0.00 sec)

8. To list all the record with sal not equal to 1250 or 1100 or 2850

Ans:-

```
mysql> select *
-> from emp
-> where sal not in(1250,1100,2850);
```

```
mysql> select *
-> from emp
-> where sal not in(1250,1100,2850);
```

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
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20
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
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

10 rows in set (0.00 sec)

9. To list all employees with sal not >1250 and <2850

Ans:-

```
mysql> select *
-> from emp
-> where sal not between 1250 and 2850;
```

```
mysql> select *
-> from emp
-> where sal not between 1250 and 2850;
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20
7788	SCOTT	ANALYST	7566	1982-12-09	3000.00	NULL	20
7839	KING	PRESIDENT	NULL	1981-11-17	5000.00	NULL	10
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

7 rows in set (0.00 sec)

10. To list all employees with job starts with C , E at 3rd position and ends with K

Ans:-

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

-> where job like 'c_e%k';

```
mysql> select *
-> from emp
-> where job like 'c_e%k';
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20
7876	ADAMS	CLERK	7788	1983-01-12	1100.00	NULL	20
7900	JAMES	CLERK	7698	1981-12-03	950.00	NULL	30
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10

4 rows in set (0.00 sec)

11. To list all rows with comm is null

Ans:-

```
mysql> select *
-> from emp
-> where comm is null;
```

```
mysql> select *
-> from emp
-> where comm is null;
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20
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
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

10 rows in set (0.00 sec)

12. To list all employees with sal is null and name starts with 'S

Ans:-

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

-> where sal is null and ename like 's%';

Empty set (0.00 sec)

13. To list all employees with job contains 5 characters

Ans:-

mysql> select *

-> from emp

-> where job like '_____';

```
mysql> select *
-> from emp
-> where job like '_____';
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20
7876	ADAMS	CLERK	7788	1983-01-12	1100.00	NULL	20
7900	JAMES	CLERK	7698	1981-12-03	950.00	NULL	30
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10

4 rows in set (0.00 sec)

14. To list all employees with name contain 'A' at 1 position and job Contains 5 characters.

Ans:-

mysql> select *

-> from emp

-> where ename like 'a%' and job like '_____';

```
mysql> select *
-> from emp
-> where ename like 'a%' and job like '_____';
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7876	ADAMS	CLERK	7788	1983-01-12	1100.00	NULL	20

1 row in set (0.00 sec)

Q2. Solve the following

1. Retrieve the details (Name, Salary and dept no) of the emp who are working in department code 20, 30 and 40.

Ans :

```
mysql> select ename ,sal,deptno
```

```
-> from emp
```

```
-> where deptno in (20,30,40);
```

```
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 $sal + comm + sal * 0.10$

Ans:

```
mysql> select sal ,ename,round(sal+ifnull(comm,0)+sal*0.10,2) totalsal from emp;
```

```
mysql> select sal ,ename,round(sal+ifnull(comm,0)+sal*0.10,2) totalsal from emp;
```

sal	ename	totalsal
800.00	SMITH	880.00
1600.00	ALLEN	2060.00
1250.00	WARD	1875.00
2975.00	JONES	3272.50
1250.00	MARTIN	2775.00
2850.00	BLAKE	3135.00
2450.00	CLARK	2695.00
3000.00	SCOTT	3300.00
5000.00	KING	5500.00
1500.00	TURNER	1650.00
1100.00	ADAMS	1210.00
950.00	JAMES	1045.00
3000.00	FORD	3300.00
1300.00	MILLER	1430.00

```
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.

Ans :

```
mysql> select *
```

```
-> from emp
```

```
-> where hiredate <'1986-01-01' and sal between 1201 and 2499;
```

```
mysql> select *
-> from emp
-> where hiredate <'1986-01-01' and sal between 1201 and 2499;
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30
7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30
7782	CLARK	MANAGER	7839	1981-06-09	2450.00	NULL	10
7844	TURNER	SALESMAN	7698	1981-09-08	1500.00	0.00	30
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10

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

4. List the emp no, name, and department number of the emp works under manager with id 7698

Ans:-

```
mysql> select empno,ename,deptno
```

```
-> from emp
```

```
-> where mgr=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.
Ans:-

```
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'.

Ans:-

```
mysql> select concat(ename, " , ",deptno) 'Emp info'from emp;
```

```
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 (0.00 sec)
```

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

Ans :

```
mysql> select *
```

-> from emp

-> where mgr is null;

```
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). ;

Ans :

```
mysql> select ename, deptno,hiredate
```

-> from emp

-> where hiredate between '1981-01-01' and '1983-03-31'

-> order by hiredate asc;

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

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

Ans:-

```
mysql> select *
-> from emp
-> where job like '%age%';
```

```
mysql> select *
-> from emp
-> where job like '%age%';
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20
7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30
7782	CLARK	MANAGER	7839	1981-06-09	2450.00	NULL	10

3 rows in set (0.00 sec)

Or

```
mysql> select *
```

-> from emp
-> where job regexp '.*age.*';

```
mysql> select *
-> from emp
-> where job regexp '.*age.*';
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20
7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30
7782	CLARK	MANAGER	7839	1981-06-09	2450.00	NULL	10

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'.

Ans:-

```
mysql> select *
-> from emp
-> where ename like 'a%s' or '__n%n' or '__%s';
```

```
mysql> select *
-> from emp
-> where ename like 'a%s' or '__n%n' or '__%s';
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7876	ADAMS	CLERK	7788	1983-01-12	1100.00	NULL	20

1 row in set, 2 warnings (0.00 sec)

Or

```
mysql> select *
-> from emp
-> where ename regexp '^A.*S$|^..?N.*[NS]$';
```

```
mysql> select *
-> from emp
-> where ename regexp '^A.*s$|^..?N.*[ns]$';
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20
7876	ADAMS	CLERK	7788	1983-01-12	1100.00	NULL	20

2 rows in set (0.00 sec)

12. List the names of the emp having '_' character in their name.

Ans:-

```
mysql> select ename
-> from emp
-> where ename regexp '.*_.*';
```

Empty set (0.00 sec)

```
mysql> select ename
-> from emp
-> where ename regexp '.*_.*';
```

Empty set (0.00 sec)

Single Row functions :-

1. To list all employees and their email, to generate email use 2 to 5 characters from ename Concat it with 2 to 4 characters in job and then concat it with '@mycompany.com'

Ans:-

```
mysql> select *, concat(substr(ename,2,5),substr(job,2,4),"@mycompany.com")
gmail
-> from emp;
```

```
mysql> select *, concat(substr(ename,2,5),substr(job,2,4),"@mycompany.com") gmail
-> from emp;
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO	gmail
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20	MITHLERK@mycompany.com
7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30	LLENALSA@mycompany.com
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30	ARDALES@mycompany.com
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20	ONESANAG@mycompany.com
7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30	ARTINALSA@mycompany.com
7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30	LAKEANAG@mycompany.com
7782	CLARK	MANAGER	7839	1981-06-09	2450.00	NULL	10	LARKANAG@mycompany.com
7788	SCOTT	ANALYST	7566	1982-12-09	3000.00	NULL	20	COTTNAG@mycompany.com
7839	KING	PRESIDENT	NULL	1981-11-17	5000.00	NULL	10	INGRESI@mycompany.com
7844	TURNER	SALESMAN	7698	1981-09-08	1500.00	0.00	30	URNERALE@mycompany.com
7876	ADAMS	CLERK	7788	1983-01-12	1100.00	NULL	20	DAMSLERK@mycompany.com
7900	JAMES	CLERK	7698	1981-12-03	950.00	NULL	30	AMESLERK@mycompany.com
7902	FORD	ANALYST	7566	1981-12-03	3000.00	NULL	20	ORDNALY@mycompany.com
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10	ILLERLERK@mycompany.com

14 rows in set (0.00 sec)

mysql>

2. List all employees who joined in September.

Ans:-

```
mysql> select *  
      -> from emp  
      -> where month(hiredate)=09;
```

```
mysql> select *  
      -> from emp  
      -> where month(hiredate)=09;
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30
7844	TURNER	SALESMAN	7698	1981-09-08	1500.00	0.00	30

2 rows in set (0.02 sec)

3. List the empno, name, and department number of the emp who have experience of 18 or more years and sort them based on their experience.

Ans:-

```
mysql> select empno,ename,deptno,hiredate,floor(datediff(curdate(),hiredate)/365)  
experience  
      -> from emp  
      -> order by experience;
```

```
mysql> select empno,ename,deptno,hiredate,floor(datediff(curdate(),hiredate)/365) exper  
      -> from emp  
      -> order by experience;
```

empno	ename	deptno	hiredate	experience
7788	SCOTT	20	1982-12-09	40
7876	ADAMS	20	1983-01-12	40
7654	MARTIN	30	1981-09-28	41
7698	BLAKE	30	1981-05-01	41
7782	CLARK	10	1981-06-09	41
7839	KING	10	1981-11-17	41
7844	TURNER	30	1981-09-08	41
7900	JAMES	30	1981-12-03	41
7902	FORD	20	1981-12-03	41
7934	MILLER	10	1982-01-23	41
7369	SMITH	20	1980-12-17	42
7499	ALLEN	30	1981-02-20	42
7521	WARD	30	1981-02-22	42
7566	JONES	20	1981-04-02	42

14 rows in set (0.00 sec)

4. Display the employee details who joined on 3rd of any month or any year

Ans:-

```
mysql> select *  
-> from emp  
-> where day(hiredate)=3;
```

```
mysql> select *  
-> from emp  
-> where day(hiredate)=3;  
+-----+-----+-----+-----+-----+-----+-----+-----+  
| EMPNO | ENAME | JOB      | MGR  | HIREDATE   | SAL      | COMM  | DEPTNO |  
+-----+-----+-----+-----+-----+-----+-----+-----+  
| 7900 | JAMES | CLERK    | 7698 | 1981-12-03 | 950.00   | NULL  | 30     |  
| 7902 | FORD  | ANALYST  | 7566 | 1981-12-03 | 3000.00  | NULL  | 20     |  
+-----+-----+-----+-----+-----+-----+-----+-----+  
2 rows in set (0.00 sec)
```

5. display all employees who joined between years 1981 to 1983.

Ans:-

```
mysql> select *  
-> from emp  
-> where year(hiredate) between '1981-01-01' and '1983-12-31';
```

```
mysql> select *  
-> from emp  
-> where year(hiredate) between '1981-01-01' and '1983-12-31';  
+-----+-----+-----+-----+-----+-----+-----+-----+  
| EMPNO | ENAME | JOB      | MGR  | HIREDATE   | SAL      | COMM  | DEPTNO |  
+-----+-----+-----+-----+-----+-----+-----+-----+  
| 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     |  
+-----+-----+-----+-----+-----+-----+-----+-----+  
13 rows in set, 28 warnings (0.00 sec)  
  
mysql>
```

Group functions

6. Display the Highest, Lowest, Total & Average salary of all employee. Label the columns Maximum, Minimum, Total and Average respectively for each Department. Also round the result to the nearest whole number.

Ans:-

```
mysql> select deptno, max(sal) Maximum, min(sal) minimum, sum(sal) total, ceil(
avg(sal)) average
```

```
-> from emp
```

```
-> group by deptno;
```

```
mysql> select deptno, max(sal) Maximum, min(sal) minimum, sum(sal) total, ceil( avg(sal)) average
-> from emp
-> group by deptno;
```

deptno	Maximum	minimum	total	average
20	3000.00	800.00	10875.00	2175
30	2850.00	950.00	9400.00	1567
10	5000.00	1300.00	8750.00	2917

```
3 rows in set (0.09 sec)
```

7. Display Department no and number of managers working in that department. Label the column as 'Total Number of Managers' for each department.

Ans:-

```
mysql> select deptno, count(*) "Total no. of manager"
```

```
-> from emp
```

```
-> where job='manager'
```

```
-> group by deptno;
```

```
mysql> select deptno, count(*) "Total no. of manager"
-> from emp
-> where job='manager'
-> group by deptno;
```

deptno	Total no. of manager
20	1
30	1
10	1

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


8. Get the Department number, and sum of Salary of all non managers where the sum is greater than 20000

Ans:-

practice DQL statement

Write SQL statement for the following

1. To find all managers with salary >1500

Ans:-

mysql> select *

-> from emp

-> where job='manager' and sal>1500;

```
mysql> select *
-> from emp
-> where job='manager' and sal>1500;
+-----+-----+-----+-----+-----+-----+-----+-----+
| EMPNO | ENAME | JOB      | MGR  | HIREDATE   | SAL      | COMM | DEPTNO |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 7566 | JONES | MANAGER | 7839 | 1981-04-02 | 2975.00 | NULL | 20     |
| 7698 | BLAKE | MANAGER | 7839 | 1981-05-01 | 2850.00 | NULL | 30     |
| 7782 | CLARK | MANAGER | 7839 | 1981-06-09 | 2450.00 | NULL | 10     |
+-----+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

2. list all employees with sal >1200 and < 2000

Ans:-

mysql> select *

-> from emp

-> where sal between 1201 and 1999;

```
mysql> select *
-> from emp
-> where sal between 1201 and 1999;
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30
7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30
7844	TURNER	SALESMAN	7698	1981-09-08	1500.00	0.00	30
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10

5 rows in set (0.00 sec)

3. list all employees with sal is 1600 or sal is 800 or sal is 1900

Ans:-mysql> select *

-> from emp

-> where sal in (1600,800,1900);

```
mysql> select *
-> from emp
-> where sal in (1600,800,1900);
```

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

2 rows in set (0.00 sec)

4. list all employees with R at second last position in name

Ans :mysql> select *

-> from emp

-> where ename like '%r_';

```
mysql> select *
-> from emp
-> where ename like '%r_';
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30
7782	CLARK	MANAGER	7839	1981-06-09	2450.00	NULL	10
7902	FORD	ANALYST	7566	1981-12-03	3000.00	NULL	20

3 rows in set (0.00 sec)

5. List all employees with name starts with A and ends with N

Ans : mysql> select *

-> from emp

-> where ename regexp '^a.*n\$';

```
mysql> select *
      -> from emp
      -> where ename regexp '^a.*n$';
+-----+-----+-----+-----+-----+-----+-----+-----+
| EMPNO | ENAME | JOB      | MGR  | HIREDATE   | SAL      | COMM      | DEPTNO |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 7499  | ALLEN | SALESMAN | 7698 | 1981-02-20 | 1600.00  | 300.00    | 30     |
+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

Q2. Solve following

1. list all employees with salary > 1250 and dept no=30

Ans:-

mysql> select *

-> from emp

-> where sal >1250 and deptno=30;

```
mysql> select *
      -> from emp
      -> where sal >1250 and deptno=30;
+-----+-----+-----+-----+-----+-----+-----+-----+
| EMPNO | ENAME | JOB      | MGR  | HIREDATE   | SAL      | COMM      | DEPTNO |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 7499  | ALLEN | SALESMAN | 7698 | 1981-02-20 | 1600.00  | 300.00    | 30     |
| 7698  | BLAKE | MANAGER | 7839 | 1981-05-01 | 2850.00  | NULL      | 30     |
| 7844  | TURNER | SALESMAN | 7698 | 1981-09-08 | 1500.00  | 0.00      | 30     |
+-----+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

2. list all employees with salary >=1250 and <= 3000

Ans:-

mysql> select *

-> from emp

-> where sal between 1250 and 3000;

```
mysql> select *
-> from emp
-> where sal between 1250 and 3000;
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
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
7844	TURNER	SALESMAN	7698	1981-09-08	1500.00	0.00	30
7902	FORD	ANALYST	7566	1981-12-03	3000.00	NULL	20
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10

10 rows in set (0.00 sec)

3. list all employees with salary >1250 and < 3000

Ans:-

```
mysql> select *
-> from emp
-> where sal between 1251 and 2999;
```

```
mysql> select *
-> from emp
-> where sal between 1251 and 2999;
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20
7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30
7782	CLARK	MANAGER	7839	1981-06-09	2450.00	NULL	10
7844	TURNER	SALESMAN	7698	1981-09-08	1500.00	0.00	30
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10

6 rows in set (0.00 sec)

4. list all employees with salary either equal to 3000 or 1250 or 2500

Ans:-

```
mysql> select *
-> from emp
-> where sal in(3000,1250,2500);
```

```
mysql> select *
-> from emp
-> where sal in(3000,1250,2500);
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30
7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30
7788	SCOTT	ANALYST	7566	1982-12-09	3000.00	NULL	20
7902	FORD	ANALYST	7566	1981-12-03	3000.00	NULL	20

4 rows in set (0.00 sec)

5. list all employee with name=SMITH

Ans:-

```
mysql> select *
-> from emp
-> where ename='smith';
```

```
mysql> select *
-> from emp
-> where ename='smith';
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20

1 row in set (0.00 sec)

6. list all employees with name starting with S

Ans:-

```
mysql> select *
-> from emp
-> where ename like 's%';
```

```
mysql> select *
-> from emp
-> where ename like 's%';
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20
7788	SCOTT	ANALYST	7566	1982-12-09	3000.00	NULL	20

2 rows in set (0.00 sec)

7. list all employees with name ending with S

Ans:-

```
mysql> select *
-> from emp
-> where ename like '%s';
```

```
mysql> select *
-> from emp
-> where ename like '%s';
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20
7876	ADAMS	CLERK	7788	1983-01-12	1100.00	NULL	20
7900	JAMES	CLERK	7698	1981-12-03	950.00	NULL	30

3 rows in set (0.00 sec)

8. list all employees with name contains l at 2nd position

Ans:-

```
mysql> select *
-> from emp
-> where ename regexp '^..*l$';
```

```
mysql> select *
-> from emp
-> where ename regexp '^..i.*$';
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7839	KING	PRESIDENT	NULL	1981-11-17	5000.00	NULL	10
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10

2 rows in set (0.00 sec)

9. list all employees with name starts with A ends with N and somewhere in between L is there

Ans:-

```
mysql> select *
-> from emp
-> where ename like 'A%l%n';
```

```
mysql> select *
-> from emp
-> where ename like 'A%l%n';
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30

1 row in set (0.00 sec)

10. list all employees with name starts with A and B at 3 rd position and P at second last position

Ans:-

```
mysql> select *
-> from emp
-> where ename regexp '^a.b.*p.';
```

Empty set (0.00 sec)

or

```
mysql> select *
-> from emp
-> where ename like 'A_b%p_';

Empty set (0.00 sec)
```

11. List all employees with name starts with either A or starts with S or starts with W

Ans:-

```
mysql> select *
-> from emp
-> where ename regexp '^[asw].*';
```

```
mysql> select *
-> from emp
-> where ename regexp '^[asw].*';
```

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
7788	SCOTT	ANALYST	7566	1982-12-09	3000.00	NULL	20
7876	ADAMS	CLERK	7788	1983-01-12	1100.00	NULL	20

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

practice Aggregate functions

12. find max sal and min sal for each job

Ans:-

```
mysql> select max(sal),min(sal),job
-> from emp
```


-> group by job;

```
mysql> select max(sal),min(sal),job  
-> from emp  
-> group by job;
```

max(sal)	min(sal)	job
1300.00	800.00	CLERK
1600.00	1250.00	SALESMAN
2975.00	2450.00	MANAGER
3000.00	3000.00	ANALYST
5000.00	5000.00	PRESIDENT

5 rows in set (0.00 sec)

13. find how many employees have not received commission

Ans:-mysql> select count(*)

-> from emp

-> where comm is null or comm = 0;

```
mysql> select count(*)  
-> from emp  
-> where comm is null or comm = 0;
```

count(*)
11

1 row in set (0.00 sec)

14. find sum of sal of all employees working in dept no 10

Ans :mysql> select sum(sal)

-> from emp

-> where deptno = 10;

```
mysql> select sum(sal)
-> from emp
-> where deptno = 10;
+-----+
| sum(sal) |
+-----+
| 8750.00 |
+-----+
1 row in set (0.00 sec)
```

15. find maximum salary,average sal for each job in every department

Ans :mysql> select job,max(sal),avg(sal)

-> from emp

-> group by job;

```
mysql> select job,max(sal),avg(sal)
-> from emp
-> group by job;
+-----+-----+-----+
| job      | max(sal) | avg(sal) |
+-----+-----+-----+
| CLERK    | 1300.00  | 1037.500000 |
| SALESMAN | 1600.00  | 1400.000000 |
| MANAGER  | 2975.00  | 2758.333333 |
| ANALYST  | 3000.00  | 3000.000000 |
| PRESIDENT | 5000.00  | 5000.000000 |
+-----+-----+-----+
5 rows in set (0.00 sec)
```

16. find max salary for every department if deptno is > 15 and arrange data in deptno order.

Ans : mysql> select deptno,max(sal)

-> from emp

-> where deptno>15

-> group by deptno

-> order by deptno;

```
mysql> select deptno,max(sal)
-> from emp
-> where deptno>15
-> group by deptno
-> order by deptno;
+-----+-----+
| deptno | max(sal) |
+-----+-----+
|      20 | 3000.00 |
|      30 | 2850.00 |
+-----+-----+
2 rows in set (0.00 sec)
```

17. find sum salary for every department if sum is > 3000

Ans : mysql> select deptno,sum(sal)

-> from emp

-> group by deptno

-> having sum(sal)>3000;

```
mysql> select deptno,sum(sal)
-> from emp
-> group by deptno
-> having sum(sal)>3000;
+-----+-----+
| deptno | sum(sal) |
+-----+-----+
|      20 | 10875.00 |
|      30 | 9400.00 |
|      10 | 8750.00 |
+-----+-----+
3 rows in set (0.02 sec)
```

18. list all department which has minimum 5 employees

Ans:-mysql> select deptno,count(*) "no of employee"

-> from emp

-> group by deptno

-> having count(*)>=5;

```
mysql> select deptno,count(*) "no of employee"
-> from emp
-> group by deptno
-> having count(*)>=5;
```

deptno	no of employee
20	5
30	6

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

19. count how many employees earn salary more than 2000 in each job

Ans:-mysql> select count(*),job

-> from emp

-> where sal>2000

-> group by job;

```
mysql> select count(*),job
-> from emp
-> where sal>2000
-> group by job;
```

count(*)	job
3	MANAGER
2	ANALYST
1	PRESIDENT

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

20. list all enames and jobs in small case letter

Ans:-mysql> select lower(ename),lower(job)

-> from emp;

```
mysql> select lower(ename),lower(job)
-> from emp;
```

lower(ename)	lower(job)
smith	clerk
allen	salesman
ward	salesman
jones	manager
martin	salesman
blake	manager
clark	manager
scott	analyst
king	president
turner	salesman
adams	clerk
james	clerk
ford	analyst
miller	clerk

14 rows in set (0.03 sec)

21. list all names and jobs so that the length of name should be 15 if it is smaller then add spaces to left

Ans:-

```
mysql> select lpad(ename,15," ") "Employee name",Job from emp;
```

Employee name	Job
SMITH	CLERK
ALLEN	SALESMAN
WARD	SALESMAN
JONES	MANAGER
MARTIN	SALESMAN
BLAKE	MANAGER
CLARK	MANAGER
SCOTT	ANALYST
KING	PRESIDENT
TURNER	SALESMAN
ADAMS	CLERK
JAMES	CLERK

```
|      FORD | ANALYST |
|      MILLER | CLERK   |
+-----+-----+
14 rows in set (0.00 sec)
```

22. display min sal,max sal, average sal for all employees working under same manager

Ans:-mysql> select mgr,min(sal),max(sal),ceil(avg(sal))
-> from emp
-> group by mgr;

```
mysql> select mgr,min(sal),max(sal),ceil(avg(sal))
-> from emp
-> group by mgr;
+-----+-----+-----+-----+
| mgr  | min(sal) | max(sal) | ceil(avg(sal)) |
+-----+-----+-----+-----+
| 7902 | 800.00   | 800.00   | 800             |
| 7698 | 950.00   | 1600.00  | 1310            |
| 7839 | 2450.00  | 2975.00  | 2759            |
| 7566 | 3000.00  | 3000.00  | 3000            |
| NULL | 5000.00  | 5000.00  | 5000            |
| 7788 | 1100.00  | 1100.00  | 1100            |
| 7782 | 1300.00  | 1300.00  | 1300            |
+-----+-----+-----+-----+
7 rows in set (0.00 sec)
```

23. find sum of total earnings(sal+comm), average of sal+comm for all employees who earn sal > 2000 and work in either dept no 10 or 20

Ans:-

```
mysql> select sum(sal+ifnull(comm,0))"Sum of total
earnings",avg(sal+ifnull(comm,0))"Average of Emp in dept 10 or 20 and sal 2000+" from
emp where sal>2000 and deptno in (10,20);
```

```
+-----+-----+
| Sum of total earnings | Average of Emp in dept 10 or 20 and sal 2000+ |
+-----+-----+
```

16425.00	3285.000000
----------	-------------

1 row in set (0.00 sec)

```
mysql> select sum(sal+ifnull(comm,0)) "total earning",avg(sal+ifnull(comm,0))
average
```

-> from emp

-> where sal>2000 and deptno in(10,20);

```
mysql> select sum(sal+ifnull(comm,0)) "total earning",avg(sal+ifnull(comm,0)) average
-> from emp
-> where sal>2000 and deptno in(10,20);
```

total earning	average
16425.00	3285.000000

1 row in set (0.00 sec)

24. list all employees who joined in Aug 1980 and salary is >1500 and < 2500

Ans:-mysql> select *

-> from emp

-> where month(hiredate)=08 and year(hiredate)=1980 and sal between 1501 and 2499;

Empty set (0.00 sec)

25. list all employees joined in either aug or may or dec

Ans:-

```
mysql> select *
```

-> from emp

-> where month(hiredate) in(07,05,12);

```
mysql> select *
-> from emp
-> where month(hiredate) in(07,05,12);
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20
7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30
7788	SCOTT	ANALYST	7566	1982-12-09	3000.00	NULL	20
7900	JAMES	CLERK	7698	1981-12-03	950.00	NULL	30
7902	FORD	ANALYST	7566	1981-12-03	3000.00	NULL	20

26. display name and hiredate in dd/mm/yy format for all employees whose job is clerk and they earn some commission

Ans:-

```
mysql> select ename,date_format(hiredate,'%d/%m/%y')
-> from emp
-> where job='CLERK' and comm is not null;
```

Empty set (0.03 sec)

```
mysql> select ename,date_format(hiredate,'%d/%m/%y')
-> from emp
-> where job='CLERK' and comm is not null;
Empty set (0.03 sec)
```

27. list empcode,empno,name and job for each employee. (note :empcode is 3 to 5 characters from name and last 2 characters of job)

Ans:-

```
mysql> select concat(substr(ename,3,3),right(job,2)) empcode,empno,ename,job
-> from emp
-> ;
```



```
mysql> select concat(substr(ename,3,3),right(job,2)) empcode,empno,ename,job
-> from emp
-> ;
```

empcode	empno	ename	job
ITHRK	7369	SMITH	CLERK
LENAN	7499	ALLEN	SALESMAN
RDAN	7521	WARD	SALESMAN
NESER	7566	JONES	MANAGER
RTIAN	7654	MARTIN	SALESMAN
AKEER	7698	BLAKE	MANAGER
ARKER	7782	CLARK	MANAGER
OTTST	7788	SCOTT	ANALYST
NGNT	7839	KING	PRESIDENT
RNEAN	7844	TURNER	SALESMAN
AMSRK	7876	ADAMS	CLERK
MESRK	7900	JAMES	CLERK
RDST	7902	FORD	ANALYST
LLERK	7934	MILLER	CLERK

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

28. display thousand separator and \$ symbol for commission if it is null then display it as 0 for all employees whose name starts with A and ends with N

Ans:-

```
mysql> select format(sal,3),concat('$',format(ifnull(comm,0),2))
-> from emp
-> where ename regexp '^a.*N$';
```

```
mysql> select format(sal,3),concat('$',format(ifnull(comm,0),2))
-> from emp
-> where ename regexp '^a.*N$';
```

format(sal,3)	concat('\$',format(ifnull(comm,0),2))
1,600.000	\$300.00

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

29. Display empid,name,sal,comm,remark Remark should base on following conditions comm >= 600 "excellent Keep it up" if it < 600 or not null "good" otherwise "Need improvement"

Ans:-

```
mysql> select empno,ename,sal,comm,case
```

```
-> when comm >=600 then "excellent Keep it up"
```

```
-> when comm <=600 then "good"
```

```
-> else "need improvement" end remark
```

```
-> from emp;
```

```
mysql> select empno,ename,sal,comm,case
-> when comm >=600 then "excellent Keep it up"
-> when comm <=600 then "good"
-> else "need improvement" end remark
-> from emp;
```

empno	ename	sal	comm	remark
7369	SMITH	800.00	NULL	need improvement
7499	ALLEN	1600.00	300.00	good
7521	WARD	1250.00	500.00	good
7566	JONES	2975.00	NULL	need improvement
7654	MARTIN	1250.00	1400.00	excellent Keep it up
7698	BLAKE	2850.00	NULL	need improvement
7782	CLARK	2450.00	NULL	need improvement
7788	SCOTT	3000.00	NULL	need improvement
7839	KING	5000.00	NULL	need improvement
7844	TURNER	1500.00	0.00	good
7876	ADAMS	1100.00	NULL	need improvement
7900	JAMES	950.00	NULL	need improvement
7902	FORD	3000.00	NULL	need improvement
7934	MILLER	1300.00	NULL	need improvement

14 rows in set (0.00 sec)

30. Display empid, name, deptno and department name by using following conditions.

dept 10 then "Hr"

if 20 then "Admin"

if 30 then "accounts"

otherwise purchase

Ans:-

```
mysql> select empno,ename,sal,comm,case
```

```

-> when deptno=10 then "Hr"
-> when deptno=20 then "Admin"
-> when deptno=30 then "accounts"
-> else "purchase" end department_name
-> from emp;

```

```

mysql> select empno,ename,sal,comm,case
  -> when deptno=10 then "Hr"
  -> when deptno=20 then "Admin"
  -> when deptno=30 then "accounts"
  -> else "purchase" end department_name
  -> from emp;

```

empno	ename	sal	comm	department_name
7369	SMITH	800.00	NULL	Admin
7499	ALLEN	1600.00	300.00	accounts
7521	WARD	1250.00	500.00	accounts
7566	JONES	2975.00	NULL	Admin
7654	MARTIN	1250.00	1400.00	accounts
7698	BLAKE	2850.00	NULL	accounts
7782	CLARK	2450.00	NULL	Hr
7788	SCOTT	3000.00	NULL	Admin
7839	KING	5000.00	NULL	Hr
7844	TURNER	1500.00	0.00	accounts
7876	ADAMS	1100.00	NULL	Admin
7900	JAMES	950.00	NULL	accounts
7902	FORD	3000.00	NULL	Admin
7934	MILLER	1300.00	NULL	Hr

```

14 rows in set (0.00 sec)

```