

```
mysql> select * from EMP;
```

EmpNo	Empname	job	MGR	JoinDate	salary	COMM	DeptNo
7369	Smith	Cleark	7902	1980-12-17	800	NULL	20
7499	Allen	salesman	7698	1981-02-20	1600	300	30
7521	Ward	salesman	7698	1981-02-22	1250	500	30
7566	Jones	Manager	7839	1981-04-02	2975	NULL	20
7654	Martin	salesman	7698	1981-09-28	1250	1400	30
7698	Blake	Manager	7839	1981-05-01	2850	NULL	30
7782	Clark	Manager	7839	1981-06-09	2450	NULL	10
7788	Scott	Analyst	7566	1982-12-09	2450	NULL	20
7839	King	President	NULL	1981-11-17	5000	NULL	10
7844	Turner	Salesman	7698	1981-09-08	1500	0	30
7876	Adams	Clerk	7788	1983-01-12	1100	NULL	20
7900	James	Clerk	7698	1981-12-03	950	NULL	30
7902	Ford	Analyst	7566	1981-12-04	3000	NULL	20
7934	Miller	Clerk	7782	1981-12-23	1300	NULL	10

14 rows in set (0.00 sec)

1

```
mysql> select Empname from EMP where job='Analyst' or job='salesman';
```

Empname
Allen
Ward
Martin
Scott
Turner
Ford

6 rows in set (0.03 sec)

```
mysql> select * from EMP where JoinDate<'1981-09-03';
```

EmpNo	Empname	job	MGR	JoinDate	salary	COMM	DeptNo
7369	Smith	Cleark	7902	1980-12-17	800	NULL	20
7499	Allen	salesman	7698	1981-02-20	1600	300	30
7521	Ward	salesman	7698	1981-02-22	1250	500	30
7566	Jones	Manager	7839	1981-04-02	2975	NULL	20
7698	Blake	Manager	7839	1981-05-01	2850	NULL	30

```
| 7782 | Clark | Manager | 7839 | 1981-06-09 | 2450 | NULL | 10 |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.03 sec)
```

```
mysql> select * from EMP where JoinDate<'1981-09-30';
+-----+-----+-----+-----+-----+-----+
| EmpNo | Empname | job    | MGR | JoinDate | salary | COMM | DeptNo |
+-----+-----+-----+-----+-----+-----+
| 7369 | Smith | Cleark | 7902 | 1980-12-17 | 800 | NULL | 20 |
| 7499 | Allen | salesman | 7698 | 1981-02-20 | 1600 | 300 | 30 |
| 7521 | Ward | salesman | 7698 | 1981-02-22 | 1250 | 500 | 30 |
| 7566 | Jones | Manager | 7839 | 1981-04-02 | 2975 | NULL | 20 |
| 7654 | Martin | salesman | 7698 | 1981-09-28 | 1250 | 1400 | 30 |
| 7698 | Blake | Manager | 7839 | 1981-05-01 | 2850 | NULL | 30 |
| 7782 | Clark | Manager | 7839 | 1981-06-09 | 2450 | NULL | 10 |
| 7844 | Turner | Salesman | 7698 | 1981-09-08 | 1500 | 0 | 30 |
+-----+-----+-----+-----+-----+-----+
8 rows in set (0.00 sec)
```

```
mysql> select * from EMP where not(job='Manager');
+-----+-----+-----+-----+-----+-----+
| EmpNo | Empname | job    | MGR | JoinDate | salary | COMM | DeptNo |
+-----+-----+-----+-----+-----+-----+
| 7369 | Smith | Cleark | 7902 | 1980-12-17 | 800 | NULL | 20 |
| 7499 | Allen | salesman | 7698 | 1981-02-20 | 1600 | 300 | 30 |
| 7521 | Ward | salesman | 7698 | 1981-02-22 | 1250 | 500 | 30 |
| 7654 | Martin | salesman | 7698 | 1981-09-28 | 1250 | 1400 | 30 |
| 7788 | Scott | Analyst | 7566 | 1982-12-09 | 2450 | NULL | 20 |
| 7839 | King | President | NULL | 1981-11-17 | 5000 | NULL | 10 |
| 7844 | Turner | Salesman | 7698 | 1981-09-08 | 1500 | 0 | 30 |
| 7876 | Adams | Clerk | 7788 | 1983-01-12 | 1100 | NULL | 20 |
| 7900 | James | Clerk | 7698 | 1981-12-03 | 950 | NULL | 30 |
| 7902 | Ford | Analyst | 7566 | 1981-12-04 | 3000 | NULL | 20 |
| 7934 | Miller | Clerk | 7782 | 1981-12-23 | 1300 | NULL | 10 |
+-----+-----+-----+-----+-----+-----+
11 rows in set (0.03 sec)
```

```
mysql> select Empname from EMP where job!='Manager';
+-----+
| Empname |
+-----+
| Smith |
| Allen |
| Ward |
```

```

| Martin |
| Scott  |
| King   |
| Turner |
| Adams  |
| James  |
| Ford   |
| Miller |
+-----+
11 rows in set (0.00 sec)

```

```

mysql> select Empname from EMP where EmpNo in(7369,7521,7839,7934,7788);
+-----+
| Empname |
+-----+
| Smith   |
| Ward    |
| Scott   |
| King    |
| Miller  |
+-----+
5 rows in set (0.00 sec)

```

```

mysql> select Empname from EMP where not DeptNo in(30,10,40);
+-----+
| Empname |
+-----+
| Smith   |
| Jones   |
| Scott   |
| Adams   |
| Ford    |
+-----+
5 rows in set (0.00 sec)

```

```

mysql> select* from EMP where not DeptNo in(30,10,40);
+-----+-----+-----+-----+-----+-----+-----+-----+
| EmpNo | Empname | job    | MGR   | JoinDate | salary | COMM | DeptNo |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 7369 | Smith   | Clerk  | 7902  | 1980-12-17 | 800    | NULL | 20 |
| 7566 | Jones   | Manager | 7839  | 1981-04-02 | 2975   | NULL | 20 |
| 7788 | Scott   | Analyst | 7566  | 1982-12-09 | 2450   | NULL | 20 |
| 7876 | Adams   | Clerk  | 7788  | 1983-01-12 | 1100   | NULL | 20 |
| 7902 | Ford    | Analyst | 7566  | 1981-12-04 | 3000   | NULL | 20 |

```

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

```
mysql> select Empname from EMP where JoinDate between '1981-06-30' and '1981-12-31';
```

```
+-----+
| Empname |
+-----+
| Martin  |
| King    |
| Turner  |
| James   |
| Ford    |
| Miller  |
+-----+
```

```
6 rows in set (0.03 sec)
```

```
mysql> select distinct(job) from EMP;
```

```
+-----+
| job    |
+-----+
| Clerk  |
| salesman |
| Manager |
| Analyst |
| President |
| Clerk  |
+-----+
```

```
6 rows in set (0.03 sec)
```

```
mysql> select Empname from EMP where COMM is NULL;
```

```
+-----+
| Empname |
+-----+
| Smith   |
| Jones   |
| Blake   |
| Clark   |
| Scott   |
| King    |
| Adams   |
| James   |
| Ford    |
| Miller  |
+-----+
```

10 rows in set (0.00 sec)

```
mysql> select Empname from EMP where MGR is NULL;
```

```
+-----+  
| Empname |  
+-----+  
| King   |  
+-----+
```

```
mysql> select Empname from EMP where DeptNo is NULL;  
Empty set (0.00 sec)
```

```
mysql> select Empname from EMP where COMM is NULL;
```

```
+-----+  
| Empname |  
+-----+  
| Smith   |  
| Jones   |  
| Blake   |  
| Clark   |  
| Scott   |  
| King    |  
| Adams   |  
| James   |  
| Ford    |  
| Miller  |  
+-----+
```

10 rows in set (0.00 sec)

```
mysql> select Empname from EMP where not (COMM is NULL);
```

```
+-----+  
| Empname |  
+-----+  
| Allen   |  
| Ward    |  
| Martin  |  
| Turner  |  
+-----+
```

4 rows in set (0.00 sec)

```
mysql> select Empname from EMP where Empname like '%s' or Empname like 's%';
```

```
+-----+  
| Empname |  
+-----+
```

Smith
Jones
Scott
Adams
James

5 rows in set (0.03 sec)

```
mysql> select Empname from EMP where Empname like '_i%';
```

King
Miller

2 rows in set (0.00 sec)

```
mysql> select count(*)from EMP;
```

count(*)
14

1 row in set (0.04 sec)

```
mysql> select count(distinct(job))from EMP;
```

count(distinct(job))
6

1 row in set (0.03 sec)

```
mysql> select sum(salary)from EMP;
```

sum(salary)
28475

1 row in set (0.03 sec)

```
mysql> select max(salary),min(salary),avg(salary) from EMP;
```

max(salary)	min(salary)	avg(salary)
-------------	-------------	-------------

5000	800	2033.9286

1 row in set (0.03 sec)

mysql>