

mysql> show databases;

Database
information_schema
mysql
nitrr
performance_schema
sys

mysql> use nitrr;

Database changed

mysql> show tables;

Tables_in_nitrr
dept
emp
salgrade

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	1987-07-13	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	1987-07-13	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 (0.02 sec)

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)

```
mysql> select *from salgrade;
```

grade	losal	hisal
1	700	1200
2	1201	1400
3	1401	2000
4	2001	3000
5	3001	9999

5 rows in set (0.00 sec)

```
mysql> describe dept;
```

Field	Type	Null	Key	Default	Extra
deptno	int(2)	NO	PRI	NULL	
dname	varchar(14)	YES		NULL	
loc	varchar(13)	YES		NULL	

3 rows in set (0.26 sec)

```
mysql> describe emp;
```

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

8 rows in set (0.00 sec)

```
mysql> describe salgrade;
```

Field	Type	Null	Key	Default	Extra
grade	int(10)	YES		NULL	
losal	int(10)	YES		NULL	
hisal	int(10)	YES		NULL	

3 rows in set (0.00 sec)

```
mysql> select * from emp where sal between 1000 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	1987-07-13	3000.00	NULL	20
7844	TURNER	SALESMAN	7698	1981-09-08	1500.00	0.00	30
7876	ADAMS	CLERK	7788	1987-07-13	1100.00	NULL	20
7902	FORD	ANALYST	7566	1981-12-03	3000.00	NULL	20
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10

11 rows in set (0.02 sec)

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

ename	sal
SMITH	800.00
ALLEN	1600.00
WARD	1250.00
JONES	2975.00
MARTIN	1250.00
BLAKE	2850.00
CLARK	2450.00
SCOTT	3000.00
KING	5000.00
TURNER	1500.00
ADAMS	1100.00
JAMES	950.00
FORD	3000.00
MILLER	1300.00

14 rows in set (0.00 sec)

```
mysql> select ename,sal from emp order by ename;
```

ename	sal
ADAMS	1100.00
ALLEN	1600.00
BLAKE	2850.00
CLARK	2450.00
FORD	3000.00
JAMES	950.00
JONES	2975.00
KING	5000.00
MARTIN	1250.00
MILLER	1300.00
SCOTT	3000.00
SMITH	800.00
TURNER	1500.00
WARD	1250.00

14 rows in set (0.01 sec)

```
mysql> select ename,deptno from emp where deptno = 10 or 30;
```

ename	deptno
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)

```
mysql> select ename from emp where ename like "S%";
```

ename
SMITH
SCOTT

2 rows in set (0.01 sec)

```
mysql> select ename from emp where ename like "____";
```

```
+-----+
| ename |
+-----+
| WARD  |
| KING  |
| FORD  |
+-----+
3 rows in set (0.00 sec)
```

```
mysql> select ename from emp where ename like "%L";
```

```
Empty set (0.00 sec)
```

```
mysql> select ename from emp where mgr is not null;
```

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

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

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

```
mysql> select sal+COALESCE(comm,0) as "total salary " from emp;
```

```
+-----+
| total salary |
+-----+
|      800.00 |
|     1900.00 |
|     1750.00 |
|     2975.00 |
|     2650.00 |
|     2850.00 |
|     2450.00 |
|     3000.00 |
|     5000.00 |
|     1500.00 |
|     1100.00 |
|      950.00 |
|     3000.00 |
|     1300.00 |
+-----+
14 rows in set (0.00 sec)
```

```
mysql> select ename,sal*12 as"annual salary" from emp;
```

```
+-----+-----+
| ename | annual salary |
+-----+-----+
| SMITH |      9600.00 |
| ALLEN |     19200.00 |
| WARD  |     15000.00 |
| JONES |     35700.00 |
| MARTIN |     15000.00 |
| BLAKE |     34200.00 |
| CLARK |     29400.00 |
| SCOTT |     36000.00 |
| KING  |     60000.00 |
| TURNER |     18000.00 |
| ADAMS |     13200.00 |
| JAMES |     11400.00 |
| FORD  |     36000.00 |
| MILLER |     15600.00 |
+-----+-----+
14 rows in set (0.00 sec)
```

```
mysql> select ename from emp where year(hiredate)="1991";
```

```
Empty set (0.00 sec)
```

```
mysql> select concat(ename," HAS HELD THE POSITION OF ",job," IN DEPATRMENT ",deptno," SINCE ",hiredate," AND EARNS ",sal) from emp;
```

```
+-----+
| concat(ename," HAS HELD THE POSITION OF ",job," IN DEPATRMENT ",deptno," SINCE ",hiredate," AND EARNS ",sal) |
+-----+
| SMITH HAS HELD THE POSITION OF CLERK IN DEPATRMENT 20 SINCE 1980-12-17 AND EARNS 800.00 |
| ALLEN HAS HELD THE POSITION OF SALESMAN IN DEPATRMENT 30 SINCE 1981-02-20 AND EARNS 1600.00 |
| WARD HAS HELD THE POSITION OF SALESMAN IN DEPATRMENT 30 SINCE 1981-02-22 AND EARNS 1250.00 |
| JONES HAS HELD THE POSITION OF MANAGER IN DEPATRMENT 20 SINCE 1981-04-02 AND EARNS 2975.00 |
| MARTIN HAS HELD THE POSITION OF SALESMAN IN DEPATRMENT 30 SINCE 1981-09-28 AND EARNS 1250.00 |
| BLAKE HAS HELD THE POSITION OF MANAGER IN DEPATRMENT 30 SINCE 1981-05-01 AND EARNS 2850.00 |
| CLARK HAS HELD THE POSITION OF MANAGER IN DEPATRMENT 10 SINCE 1981-06-09 AND EARNS 2450.00 |
| SCOTT HAS HELD THE POSITION OF ANALYST IN DEPATRMENT 20 SINCE 1987-07-13 AND EARNS 3000.00 |
| KING HAS HELD THE POSITION OF PRESIDENT IN DEPATRMENT 10 SINCE 1981-11-17 AND EARNS 5000.00 |
| TURNER HAS HELD THE POSITION OF SALESMAN IN DEPATRMENT 30 SINCE 1981-09-08 AND EARNS 1500.00 |
| ADAMS HAS HELD THE POSITION OF CLERK IN DEPATRMENT 20 SINCE 1987-07-13 AND EARNS 1100.00 |
| JAMES HAS HELD THE POSITION OF CLERK IN DEPATRMENT 30 SINCE 1981-12-03 AND EARNS 950.00 |
| FORD HAS HELD THE POSITION OF ANALYST IN DEPATRMENT 20 SINCE 1981-12-03 AND EARNS 3000.00 |
| MILLER HAS HELD THE POSITION OF CLERK IN DEPATRMENT 10 SINCE 1982-01-23 AND EARNS 1300.00 |
+-----+
14 rows in set (0.00 sec)
```

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

```
+-----+
| job |
+-----+
| CLERK |
| SALESMAN |
| MANAGER |
| ANALYST |
| PRESIDENT |
+-----+
5 rows in set (0.01 sec)
```

```
mysql> select 12*(sal+100) from emp;
```

```
+-----+
| 12*(sal+100) |
+-----+
| 10800.00 |
| 20400.00 |
| 16200.00 |
| 36900.00 |
| 16200.00 |
| 35400.00 |
| 30600.00 |
| 37200.00 |
| 61200.00 |
| 19200.00 |
| 14400.00 |
| 12600.00 |
| 37200.00 |
| 16800.00 |
+-----+
14 rows in set (0.00 sec)
```