

```
mysql> create table employee(id int(5),name char(20),dept char(10),age int(2),salary int(10),location char(10));
Query OK, 0 rows affected, 3 warnings (1.12 sec)
```

```
mysql> show tables;
```

```
+-----+
| Tables_in_practice |
+-----+
| dept                |
| employee            |
| project             |
+-----+
```

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

```
mysql> desc employee;
```

Field	Type	Null	Key	Default	Extra
id	int	YES		NULL	
name	char(20)	YES		NULL	
dept	char(10)	YES		NULL	
age	int	YES		NULL	
salary	int	YES		NULL	
location	char(10)	YES		NULL	

```
6 rows in set (0.06 sec)
```

```
mysql> desc employee;
```

Field	Type	Null	Key	Default	Extra
id	int	YES		NULL	
name	char(20)	YES		NULL	
dept	char(10)	YES		NULL	
age	int	YES		NULL	
salary	int	YES		NULL	
location	char(10)	YES		NULL	

```
6 rows in set (0.06 sec)
```

```
mysql> alter table employee modify dept varchar(10);
```

```
Query OK, 0 rows affected (0.64 sec)
```

```
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> alter table employee modify location varchar(10);
Query OK, 0 rows affected (0.31 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> desc employee;
```

Field	Type	Null	Key	Default	Extra
id	int	YES		NULL	
name	char(20)	YES		NULL	
dept	varchar(10)	YES		NULL	
age	int	YES		NULL	
salary	int	YES		NULL	
location	varchar(10)	YES		NULL	

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

```
mysql>
```

```
mysql> INSERT INTO employee (id, name, dept, age, salary, location)Values(105, 'Sachin', 'Aeronautics', 27, 33000,'chennai');
Query OK, 1 row affected (0.02 sec)
```

```
mysql> INSERT INTO employee (id, name, dept, age, salary, location)Values(103, 'dhoni','Computer science', 25, 38000,'chennai');
Query OK, 1 row affected (0.08 sec)
```

```
mysql> INSERT INTO employee (id, name, dept, age, salary, location)Values(107, 'murali', 'IT',29, 45000,'chennai');
Query OK, 1 row affected (0.02 sec)
```

```
mysql> INSERT INTO employee (id, name, dept, age, salary, location)Values(101, 'gopi','Aeronautics', 32, 39000,'chennai');
Query OK, 1 row affected (0.02 sec)
```

```
mysql> INSERT INTO employee (id, name, dept, age, salary, location)Values(102, 'guru','Aeronautics', 25, 45000,'chennai');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> INSERT INTO employee (id, name, dept, age, salary, location)Values(104, 'mohan','Aeronautics', 27, 50000,'chennai');
Query OK, 1 row affected (0.48 sec)
```

```
mysql> INSERT INTO employee (id, name, dept, age, salary, location)Values(106, 'boomi','Aeronautics', 26, 43000,'chennai');
Query OK, 1 row affected (0.02 sec)
```

```
mysql> INSERT INTO employee (id, name, dept, age, salary, location)Values(108, 'Srikanth','Aeronautics', 27, 23000,'chennai');
Query OK, 1 row affected (0.57 sec)
```

```
mysql> INSERT INTO employee (id, name, dept, age, salary, location)Values(109, 'raina','Aeronautics', 29, 73000,'chennai');
Query OK, 1 row affected (0.61 sec)
```

```
mysql> INSERT INTO employee (id, name, dept, age, salary, location)Values(109, 'raina','Aeronautics', 29, 73000,'chennai');
Query OK, 1 row affected (0.38 sec)
```

```
mysql> INSERT INTO employee (id, name, dept, age, salary, location)Values(110, 'mahi','Aeronautics', 27, 63000,'mumbai');
Query OK, 1 row affected (0.70 sec)
```

```
mysql> alter table employee add column dob date;
Query OK, 0 rows affected (0.83 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> desc employee;
```

Field	Type	Null	Key	Default	Extra
id	int	YES		NULL	
name	char(20)	YES		NULL	
dept	varchar(20)	YES		NULL	
age	int	YES		NULL	
salary	int	YES		NULL	
location	varchar(10)	YES		NULL	
dob	date	YES		NULL	

```
7 rows in set (0.01 sec)
```

```
mysql> select * from employee;
```

id	name	dept	age	salary	location	dob
105	Sachin	Aeronautics	27	33000	chennai	NULL
103	dhoni	Computer science	25	38000	chennai	NULL
107	murali	IT	29	45000	chennai	NULL
101	gopi	Aeronautics	32	39000	chennai	NULL
102	guru	Aeronautics	25	45000	chennai	NULL
104	mohan	Aeronautics	27	50000	chennai	NULL
106	boomi	Aeronautics	26	43000	chennai	NULL
108	Srikanth	Aeronautics	27	23000	chennai	NULL
109	raina	Aeronautics	29	73000	chennai	NULL
109	raina	Aeronautics	29	73000	chennai	NULL
110	mahi	Aeronautics	27	63000	mumbai	NULL

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

```
mysql> update employee set dob='1996-09-16' where id = 105;
Query OK, 1 row affected (0.04 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> update employee set dob='1996-09-17' where id = 103;
Query OK, 1 row affected (0.04 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> update employee set dob='1995-10-17' where id = 107;
Query OK, 1 row affected (0.23 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> update employee set dob='1990-10-1' where id = 101;
Query OK, 1 row affected (0.13 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> update employee set dob='1990-10-11' where id = 102;
Query OK, 1 row affected (0.81 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> update employee set dob='1999-10-14' where id = 104;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> update employee set dob='1994-10-05' where id = 106;
Query OK, 1 row affected (0.59 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> update employee set dob='1997-03-05' where id = 108;
Query OK, 1 row affected (0.42 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> update employee set dob='2000-09-06' where id = 109;
Query OK, 2 rows affected (0.02 sec)
Rows matched: 2  Changed: 2  Warnings: 0

mysql> update employee set dob='2004-09-16' where id = 110;
Query OK, 1 row affected (0.03 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
mysql> select * from employee;
```

id	name	dept	age	salary	location	dob
105	Sachin	Aeronautics	27	33000	chennai	1996-09-16
103	dhoni	Computer science	25	38000	chennai	1996-09-17
107	murali	IT	29	45000	chennai	1995-10-17
101	gopi	Aeronautics	32	39000	chennai	1990-10-01
102	guru	Aeronautics	25	45000	chennai	1990-10-11
104	mohan	Aeronautics	27	50000	chennai	1999-10-14
106	boomi	Aeronautics	26	43000	chennai	1994-10-05
108	Srikanth	Aeronautics	27	23000	chennai	1997-03-05
109	raina	Aeronautics	29	73000	chennai	2000-09-06
109	raina	Aeronautics	29	73000	chennai	2000-09-06
110	mahi	Aeronautics	27	63000	mumbai	2004-09-16

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

```
mysql>
```

```
mysql> alter table employee drop column dob;
```

```
Query OK, 0 rows affected (0.34 sec)
```

```
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> select * from employee;
```

id	name	dept	age	salary	location
105	Sachin	Aeronautics	27	33000	chennai
103	dhoni	Computer science	25	38000	chennai
107	murali	IT	29	45000	chennai
101	gopi	Aeronautics	32	39000	chennai
102	guru	Aeronautics	25	45000	chennai
104	mohan	Aeronautics	27	50000	chennai
106	boomi	Aeronautics	26	43000	chennai
108	Srikanth	Aeronautics	27	23000	chennai
109	raina	Aeronautics	29	73000	chennai
109	raina	Aeronautics	29	73000	chennai
110	mahi	Aeronautics	27	63000	mumbai

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

```
mysql> select name from employee;
```

name
Sachin
dhoni
murali
gopi
guru
mohan
boomi
Srikanth
raina
raina
mahi

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

```
mysql>
```

```
mysql> select distinct(location) from employee;
```

location
chennai
mumbai

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

```
mysql> select count(distinct location) from employee;
+-----+
| count(distinct location) |
+-----+
|                2 |
+-----+
1 row in set (0.01 sec)

mysql>
```

```
mysql> select count(distinct location) from employee;
+-----+
| count(distinct location) |
+-----+
|                2 |
+-----+
1 row in set (0.01 sec)

mysql> select count(distinct name) from employee;
+-----+
| count(distinct name) |
+-----+
|                10 |
+-----+
1 row in set (0.00 sec)

mysql>
```

```
mysql> desc dept;
```

Field	Type	Null	Key	Default	Extra
DeptName	varchar(15)	YES		NULL	
DeptNum	int	YES		NULL	
ManagerSSN	char(9)	YES		NULL	
ManageStartDate	date	YES		NULL	

```
4 rows in set (0.17 sec)
```

```
mysql> alter table dept rename column DeptName to DepartmentName;
```

```
Query OK, 0 rows affected (1.73 sec)
```

```
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> desc dept;
```

Field	Type	Null	Key	Default	Extra
DepartmentName	varchar(15)	YES		NULL	
DeptNum	int	YES		NULL	
ManagerSSN	char(9)	YES		NULL	
ManageStartDate	date	YES		NULL	

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