

```
//SQL_basic_operations

//create table

create table demo_table(empid int(3),

    -> name varchar(50),

    -> sal int(6),

    -> deptid varchar(3));

//show table

desc demo_table;
```

```
mysql> desc demo_table;
```

Field	Type	Null	Key	Default	Extra
empid	int	YES		NULL	
name	varchar(50)	YES		NULL	
sal	int	YES		NULL	
deptid	varchar(3)	YES		NULL	

4 rows in set (0.02 sec)

```
//insert datas

insert into demo_table values(

    -> 1,'AA',10000,'01');

insert into demo_table values(

    -> 2,'BB',20000,'01');

insert into demo_table values(

    -> 3,'CC',15000,'02');

insert into demo_table values(

    -> 4,'DD',12000,'02');

insert into demo_table values(

    -> 5,'EE',13000,'02');
```

```
//print the whole table
```

```
select * from demo_table;
```

empid	name	sal	deptid
1	AA	10000	01
2	BB	20000	01
3	CC	15000	02
4	DD	12000	02
5	EE	13000	02

```
//create another table
```

```
create table demo_table2(deptid varchar(3),dname varchar(50),dloc varchar(50));
```

```
//show that table
```

```
desc demo_table2;
```

Field	Type	Null	Key	Default	Extra
deptid	varchar(3)	YES		NULL	
dname	varchar(50)	YES		NULL	
dloc	varchar(50)	YES		NULL	

```
//insert datas to that table
```

```
insert into demo_table2 values('01','sales','g floor'),('02','IT','3rd floor');
```

```
//print the table
```

```
select * from demo_table2;
```

deptid	dname	dloc
01	sales	g floor
02	IT	3rd floor

```
//alter that table
```

```
alter table demo_table2 add sal int(5);
```

```
//print the table
```

```
select * from demo_table2;
```

deptid	dname	dloc	sal
01	sales	g floor	NULL
02	IT	3rd floor	NULL

```
//update that table
```

```
update demo_table2 set sal=16000 where deptid='01';
```

```
update demo_table2 set sal=14000 where deptid='02';
```

```
//print the table
```

```
select * from demo_table2;
```

deptid	dname	dloc	sal
01	sales	g floor	16000
02	IT	3rd floor	14000

```
alter table demo_table2 modify deptid int(3); //modify
```

deptid	dname	dloc	sal
1	sales	g floor	16000
2	IT	3rd floor	14000

```
//create another table
```

```
create table demo_table3(dept_id varchar(3),d_name varchar(50));
```

```
//show the table
```

```
desc demo_table3;
```

Field	Type	Null	Key	Default	Extra
dept_id	varchar(3)	YES		NULL	
d_name	varchar(50)	YES		NULL	

```
//insert datas to that table
```

```
insert into demo_table3 values('01','CSE'),('02','MBA');
```

```
//print the table
```

```
select * from demo_table3;
```

dept_id	d_name
01	CSE
02	MBA

```
//delete from demo_table3
```

```
delete from demo_table3 where d_name='MBA';
```

```
//print the table
```

```
select * from demo_table3;
```

dept_id	d_name
01	CSE

```
// delete a col from demo_table3
```

```
alter table demo_table3 drop column d_name;
```

```
//print the table
```

```
select * from demo_table3;
```

dept_id
01

```
//delete demo_table3
```

```
drop table demo_table3;
```

```
//print the table after deletion
```

```
select * from demo_table3;
```

```
ERROR 1146 (42S02): Table 'mysql.demo_table3' doesn't exist
```