

MYSQL DDL AND DML COMMANDS:

Create Database:

```
mysql> create database mydp;  
Query OK, 1 row affected (0.01 sec)
```

View Database:

```
mysql> show databases;  
+-----+  
| Database          |  
+-----+  
| employee          |  
| information_schema |  
| mydp              |  
| mysql             |  
| performance_schema |  
| sakila            |  
| sys               |  
| world             |  
+-----+  
8 rows in set (0.00 sec)
```

Select Database:

```
mysql> use mydp;  
Database changed
```

View Tables:

```
mysql> show tables;  
Empty set (0.00 sec)
```

Create Tables:

```
mysql> create table tbl_employee(eid int(5),ename varchar(20),esalary  
int(5));  
Query OK, 0 rows affected, 2 warnings (0.02 sec)
```

View Tables:

```
mysql> show tables;
+-----+
| Tables_in_mydp |
+-----+
| tbl_employee   |
+-----+
1 row in set (0.00 sec)
```

Fetching Table Value:

```
mysql> select *from tbl_employee;
Empty set (0.00 sec)
```

Insert table value:

```
mysql> insert into tbl_employee values(1,'Aravind',20000);
Query OK, 1 row affected (0.00 sec)
```

Fetching Table Value:

```
mysql> select *from tbl_employee;
+-----+-----+-----+
| eid  | ename  | esalary |
+-----+-----+-----+
| 1    | Aravind | 20000   |
+-----+-----+-----+
1 row in set (0.00 sec)
```

View Table Structure:

```
mysql> desc tbl_employee;
+-----+-----+-----+-----+-----+-----+
| Field  | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| eid    | int           | YES  |     | NULL    |       |
| ename  | varchar(20)   | YES  |     | NULL    |       |
| esalary | int           | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

Rename Table:

```
mysql> rename table tbl_employee to tbl_employee1;  
Query OK, 0 rows affected (0.02 sec)
```

View Tables:

```
mysql> show tables;  
+-----+  
| Tables_in_mydp |  
+-----+  
| tbl_employee1  |  
+-----+  
1 row in set (0.00 sec)
```

View Table Structure:

```
mysql> desc tbl_employee1;  
+-----+-----+-----+-----+-----+-----+  
| Field  | Type          | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+-----+  
| eid    | int           | YES  |     | NULL    |       |  
| ename  | varchar(20)   | YES  |     | NULL    |       |  
| esalary | int           | YES  |     | NULL    |       |  
+-----+-----+-----+-----+-----+-----+  
3 rows in set (0.00 sec)
```

Alter table column:

```
mysql> alter table tbl_employee1 add gender char(1);  
Query OK, 0 rows affected (0.02 sec)  
Records: 0  Duplicates: 0  Warnings: 0
```

View Table Structure:

```
mysql> desc tbl_employee1;
```

Field	Type	Null	Key	Default	Extra
eid	int	YES		NULL	
ename	varchar(20)	YES		NULL	
esalary	int	YES		NULL	
gender	char(1)	YES		NULL	

4 rows in set (0.00 sec)

Modify the column value:

```
mysql> alter table tbl_employee1 modify gender varchar(10);
Query OK, 1 row affected (0.04 sec)
Records: 1  Duplicates: 0  Warnings: 0
```

View Table Structure:

```
mysql> desc tbl_employee1;
```

Field	Type	Null	Key	Default	Extra
eid	int	YES		NULL	
ename	varchar(20)	YES		NULL	
esalary	int	YES		NULL	
gender	varchar(10)	YES		NULL	

4 rows in set (0.00 sec)

Renaming the column:

```
mysql> alter table tbl_employee1 rename column gender to egender;
Query OK, 0 rows affected (0.01 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

```
mysql> desc tbl_employee1;
```

Field	Type	Null	Key	Default	Extra
eid	int	YES		NULL	
ename	varchar(20)	YES		NULL	
esalary	int	YES		NULL	
egender	varchar(10)	YES		NULL	

4 rows in set (0.00 sec)

Drop Column:

```
mysql> alter table tbl_employee1 drop column egender;
Query OK, 0 rows affected (0.01 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

View Table Structure:

```
mysql> desc tbl_employee1;
```

Field	Type	Null	Key	Default	Extra
eid	int	YES		NULL	
ename	varchar(20)	YES		NULL	
esalary	int	YES		NULL	

3 rows in set (0.00 sec)

Fetching Table Value:

```
mysql> select *from tbl_employee1;
+-----+-----+-----+
| eid  | ename  | esalary |
+-----+-----+-----+
| 1    | Aravind | 20000   |
+-----+-----+-----+
1 row in set (0.00 sec)
```

```
mysql> show tables;
+-----+
| Tables_in_mydp |
+-----+
| tbl_employee1  |
+-----+
1 row in set (0.00 sec)
```

Insert:

```
mysql> insert into tbl_employee1 (eid,ename) values
(2,'madhan'),(3,'shiva');
Query OK, 2 rows affected (0.01 sec)
Records: 2  Duplicates: 0  Warnings: 0
```

```
mysql> select *from tbl_employee1;
+-----+-----+-----+
| eid  | ename  | esalary |
+-----+-----+-----+
| 1    | Aravind | 20000   |
| 2    | madhan  | NULL    |
| 3    | shiva   | NULL    |
+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql> insert into tbl_employee1 (esalary) values (30000),(40000);
Query OK, 2 rows affected (0.00 sec)
Records: 2  Duplicates: 0  Warnings: 0
```

```
mysql> select *from tbl_employee1;
```

```

+-----+-----+-----+
| eid   | ename   | esalary |
+-----+-----+-----+
| 1     | Aravind | 20000   |
| 2     | madhan  | NULL    |
| 3     | shiva   | NULL    |
| NULL  | NULL    | 30000   |
| NULL  | NULL    | 40000   |
+-----+-----+-----+
5 rows in set (0.00 sec)

```

Delete:

```

mysql> delete from tbl_employee1 where esalary=30000;
Query OK, 1 row affected (0.01 sec)

```

```

mysql> delete from tbl_employee1 where esalary=40000;
Query OK, 1 row affected (0.00 sec)

```

```

mysql> select *from tbl_employee1;

```

```

+-----+-----+-----+
| eid   | ename   | esalary |
+-----+-----+-----+
| 1     | Aravind | 20000   |
| 2     | madhan  | NULL    |
| 3     | shiva   | NULL    |
+-----+-----+-----+
3 rows in set (0.00 sec)

```

update:

```
mysql> update tbl_employee1 set esalary=30000 where ename='madhan';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
mysql> update tbl_employee1 set esalary=40000 where ename='shiva';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
mysql> select *from tbl_employee1;
```

```
+-----+-----+-----+
| eid  | ename  | esalary |
+-----+-----+-----+
| 1    | Aravind | 20000   |
| 2    | madhan  | 30000   |
| 3    | shiva   | 40000   |
+-----+-----+-----+
```

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

```
mysql> desc tbl_employee1;
```

```
+-----+-----+-----+-----+-----+-----+
| Field  | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| eid    | int           | YES  |     | NULL    |       |
| ename  | varchar(20)   | YES  |     | NULL    |       |
| esalary | int           | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
```

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

```
mysql>
```