

CREATE DATABASE

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

mysql> use students;
Database changed
mysql> create table students(sno int, name char(50), department char(30
-> ), year varchar(40), address char(40));
Query OK, 0 rows affected (0.02 sec)

mysql> desc students;
```

Field	Type	Null	Key	Default	Extra
sno	int	YES		NULL	
name	char(50)	YES		NULL	
department	char(30)	YES		NULL	
year	varchar(40)	YES		NULL	
address	char(40)	YES		NULL	

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

ALTER TABLE

RENAME

```
mysql> alter table students rename to student;
Query OK, 0 rows affected (0.02 sec)

mysql> select*from student;
```

sno	name	department	year	address
1	Diwakar	Bioinformatics	1st	Poonamallee
2	Jana	Bioinformatics	1st	Maduravoyal
3	Gayathri	Bioinformatics	1st	Maangadu
4	Abitha	IT	1st	Anna nagar
5	Hema	IT	1st	Anna nagar
6	Nithyashree	IT	1st	Maraimalai nagar
7	Sharvesh	IT	1st	Selaiyur

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

ADD NEW COLUMN

```
mysql> alter table student add busroute char(30);
Query OK, 0 rows affected (0.01 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> select*from student;
```

sno	name	department	year	address	busroute
1	Diwakar	Bioinformatics	1st	Poonamallee	NULL
2	Jana	Bioinformatics	1st	Maduravoyal	NULL
3	Gayathri	Bioinformatics	1st	Maangadu	NULL
4	Abitha	IT	1st	Anna nagar	NULL
5	Hema	IT	1st	Anna nagar	NULL
6	Nithyashree	IT	1st	Maraimalai nagar	NULL
7	Sharvesh	IT	1st	Selaipur	NULL

MODIFY TABLE

```
mysql> desc student;
```

Field	Type	Null	Key	Default	Extra
sno	int	NO	PRI	NULL	
name	char(50)	YES		NULL	
department	char(30)	YES		NULL	
year	varchar(40)	YES		NULL	
address	char(40)	YES		NULL	
busroute	char(30)	YES		NULL	

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

```
mysql> alter table student modify busroute char(70);
Query OK, 7 rows affected (0.04 sec)
Records: 7 Duplicates: 0 Warnings: 0
```

```
mysql> desc student;
```

Field	Type	Null	Key	Default	Extra
sno	int	NO	PRI	NULL	
name	char(50)	YES		NULL	
department	char(30)	YES		NULL	
year	varchar(40)	YES		NULL	
address	char(40)	YES		NULL	
busroute	char(70)	YES		NULL	

6 rows in set (0.00 sec)

RENAME COLUMN

```
mysql> alter table student rename column department to dept;
Query OK, 0 rows affected (0.01 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> select*from student;
```

sno	name	dept	year	address	busroute
1	Diwakar	Bioinformatics	1st	Poonamallee	NULL
2	Jana	Bioinformatics	1st	Maduravoyal	NULL
3	Gayathri	Bioinformatics	1st	Maangadu	NULL
4	Abitha	IT	1st	Anna nagar	NULL
5	Hema	IT	1st	Anna nagar	NULL
6	Nithyashree	IT	1st	Maraimalai nagar	NULL
7	Sharvesh	IT	1st	Selaipur	NULL

7 rows in set (0.00 sec)

DROP COLUMN

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

```
mysql> select*from student;
```

sno	name	dept	year	address
1	Diwakar	Bioinformatics	1st	Poonamallee
2	Jana	Bioinformatics	1st	Maduravoyal
3	Gayathri	Bioinformatics	1st	Maangadu
4	Abitha	IT	1st	Anna nagar
5	Hema	IT	1st	Anna nagar
6	Nithyashree	IT	1st	Maraimalai nagar
7	Sharvesh	IT	1st	Selaiyur

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

DROP TABLE

```
mysql> drop table student;  
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> select*from student;
```

```
ERROR 1146 (42S02): Table 'students.student' doesn't exist
```

```
mysql> desc student;
```

```
ERROR 1146 (42S02): Table 'students.student' doesn't exist
```