

```
ERROR 1046 (3D000): No database selected
mysql> use sarthak;
Database changed
mysql> create table student(
-> roll int primary key,
-> name varchar(60),
-> address varchar(100));
Query OK, 0 rows affected (0.02 sec)

mysql> create table subject(
-> sub_code varchar(10) primary key,
-> sub_name varchar(20)
-> );
Query OK, 0 rows affected (0.02 sec)

mysql> create table marks(
-> roll int,
-> sub_code varchar(20),
-> marks int,
-> primary key (roll,sub_code));
Query OK, 0 rows affected (0.01 sec)

mysql> INSERT INTO Student (Roll, Name, Address) VALUES
-> (101, 'Aarav Sharma', 'Mumbai, MH'),
-> (102, 'Priya Patel', 'Ahmedabad, GJ'),
-> (103, 'Neha Gupta', 'Delhi, DL'),
-> (104, 'Rahul Desai', 'Pune, MH'),
-> (105, 'Anjali Singh', 'Bangalore, KA');
Query OK, 5 rows affected (0.01 sec)
Records: 5  Duplicates: 0  Warnings: 0

mysql> INSERT INTO Subject (sub_code, sub_name) VALUES
-> ('CS_DB', 'Database Management Systems'),
-> ('CS_OS', 'Operating Systems'),
-> ('CS_NW', 'Computer Networks'),
-> ('CS_SE', 'Software Engineering');
ERROR 1406 (22001): Data too long for column 'sub_name' at row 1
mysql> INSERT INTO Subject (sub_code, sub_name) VALUES
-> ('CS_DB', 'Database Management Systems'),
-> ^C
mysql> INSERT INTO Subject (sub_code, sub_name) VALUES
-> ('CS_DB', 'Da'),
-> ('CS_OS', 'Opes'),
-> ('CS_SE', 'Sof');
Query OK, 3 rows affected (0.01 sec)
Records: 3  Duplicates: 0  Warnings: 0
```

```
mysql> INSERT INTO Marks (Roll, sub_code, marks) VALUES
-> (101, 'CS_DB', 85),
-> (101, 'CS_OS', 78),
-> (102, 'CS_DB', 92),
-> (102, 'CS_NW', 88),
-> (103, 'CS_SE', 75),
-> (104, 'CS_DB', 60),
-> (104, 'CS_OS', 82);
```

```
Query OK, 7 rows affected (0.01 sec)
Records: 7  Duplicates: 0  Warnings: 0
```

```
mysql> select * from marks;
```

roll	sub_code	marks
101	CS_DB	85
101	CS_OS	78
102	CS_DB	92
102	CS_NW	88
103	CS_SE	75
104	CS_DB	60
104	CS_OS	82

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

```
mysql> select * from subject;
```

sub_code	sub_name
CS_DB	Da
CS_OS	Opes
CS_SE	Sof

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

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

roll	name	address
101	Aarav Sharma	Mumbai, MH
102	Priya Patel	Ahmedabad, GJ
103	Neha Gupta	Delhi, DL
104	Rahul Desai	Pune, MH
105	Anjali Singh	Bangalore, KA

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

```
mysql> ALTER TABLE Student ADD DOB DATE;
```

```
Query OK, 0 rows affected (0.01 sec)
```

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

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

roll	name	address	DOB
101	Aarav Sharma	Mumbai, MH	NULL
102	Priya Patel	Ahmedabad, GJ	NULL
103	Neha Gupta	Delhi, DL	NULL
104	Rahul Desai	Pune, MH	NULL
105	Anjali Singh	Bangalore, KA	NULL

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

```
mysql> ALTER TABLE Student MODIFY Address VARCHAR(200);
```

```
Query OK, 0 rows affected (0.01 sec)
```

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

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

roll	name	Address	DOB
101	Aarav Sharma	Mumbai, MH	NULL
102	Priya Patel	Ahmedabad, GJ	NULL
103	Neha Gupta	Delhi, DL	NULL
104	Rahul Desai	Pune, MH	NULL
105	Anjali Singh	Bangalore, KA	NULL

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

```
mysql> ALTER TABLE Subject RENAME COLUMN sub_code TO code;
```

```
Query OK, 0 rows affected (0.01 sec)
```

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

```
mysql> select * from subject;
```

code	sub_name
CS_DB	Da
CS_OS	Opes
CS_SE	Sof

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

```
mysql> RENAME TABLE Subject TO Sub;
Query OK, 0 rows affected (0.01 sec)

mysql> TRUNCATE TABLE Marks;
Query OK, 0 rows affected (0.02 sec)

mysql> TRUNCATE TABLE subject;
ERROR 1146 (42S02): Table 'sarthak.subject' doesn't exist
mysql> DROP TABLE Marks;
Query OK, 0 rows affected (0.01 sec)

mysql> DROP TABLE student;
Query OK, 0 rows affected (0.01 sec)

mysql> DROP TABLE sub;
Query OK, 0 rows affected (0.01 sec)

mysql> |
```