

SQL DIAGRAM FOR STUDENT

Create a Table as **Student** and the details are

S. No	Name	Subject	Mark
1	Somu	OS	75
2	Sankar	DBMS	66
3	Mahesh	MOBILE COMPUTING	92

Perform the following:

- Alter the table by adding a column **Grade**
- Alter the table by modifying the column **Name**
- Describe the table **Subject**
- Copy the table **Subject** as **sub**
- Delete the Second row from the table
- Drop the table

```
MySQL 5.5 Command Line Cli x + v
mysql> create table Student8(S_No INT,Name VARCHAR(100),Subject1 VARCHAR(100),Mark INT);
Query OK, 0 rows affected (0.03 sec)

mysql> INSERT INTO Student8 VALUES(1, 'Somu', 'OS', 75),(2, 'Sankar', 'DBMS', 66),(3, 'Mahesh', 'MOBILE COMPUTING', 92);
Query OK, 3 rows affected (0.01 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> select * from student8;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '
from student8' at line 1
mysql> select * from student8;
+-----+-----+-----+-----+
| S_No | Name | Subject1 | Mark |
+-----+-----+-----+-----+
| 1 | Somu | OS | 75 |
| 2 | Sankar | DBMS | 66 |
| 3 | Mahesh | MOBILE COMPUTING | 92 |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> ALTER TABLE Student8 ADD COLUMN Grade1 VARCHAR(100);
Query OK, 3 rows affected (0.03 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> select * from student8;
+-----+-----+-----+-----+-----+
| S_No | Name | Subject1 | Mark | Grade1 |
+-----+-----+-----+-----+-----+
| 1 | Somu | OS | 75 | NULL |
| 2 | Sankar | DBMS | 66 | NULL |
| 3 | Mahesh | MOBILE COMPUTING | 92 | NULL |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> ALTER TABLE Student8 CHANGE COLUMN Name StudentName VARCHAR(100);
Query OK, 3 rows affected (0.05 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> select * from student8;
+-----+-----+-----+-----+-----+
| S_No | StudentName | Subject1 | Mark | Grade1 |
+-----+-----+-----+-----+-----+
| 1 | Somu | OS | 75 | NULL |
| 2 | Sankar | DBMS | 66 | NULL |
| 3 | Mahesh | MOBILE COMPUTING | 92 | NULL |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
MySQL 5.5 Command Line Cli x + v
mysql> select * from student8;
+-----+-----+-----+-----+-----+
| S_No | StudentName | Subject1 | Mark | Grade1 |
+-----+-----+-----+-----+-----+
| 1 | Somu | OS | 75 | NULL |
| 2 | Sankar | DBMS | 66 | NULL |
| 3 | Mahesh | MOBILE COMPUTING | 92 | NULL |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> describe Student8;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| S_No | int(11) | YES | | NULL | |
| StudentName | varchar(100) | YES | | NULL | |
| Subject1 | varchar(100) | YES | | NULL | |
| Mark | int(11) | YES | | NULL | |
| Grade1 | varchar(100) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.01 sec)

mysql> CREATE TABLE sub1 LIKE Student8;
Query OK, 0 rows affected (0.03 sec)

mysql> INSERT INTO sub1 SELECT * FROM Student8;
Query OK, 3 rows affected (0.00 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> select * from student8;
+-----+-----+-----+-----+-----+
| S_No | StudentName | Subject1 | Mark | Grade1 |
+-----+-----+-----+-----+-----+
| 1 | Somu | OS | 75 | NULL |
| 2 | Sankar | DBMS | 66 | NULL |
| 3 | Mahesh | MOBILE COMPUTING | 92 | NULL |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
MySQL 5.5 Command Line Cli x + -
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| S_No | int(11) | YES | | NULL | |
| StudentName | varchar(100) | YES | | NULL | |
| Subject1 | varchar(100) | YES | | NULL | |
| Mark | int(11) | YES | | NULL | |
| Grade1 | varchar(100) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.01 sec)

mysql> CREATE TABLE sub1 LIKE Student8;
Query OK, 0 rows affected (0.03 sec)

mysql> INSERT INTO sub1 SELECT * FROM Student8;
Query OK, 3 rows affected (0.00 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> select * from student8;
+-----+-----+-----+-----+-----+-----+
| S_No | StudentName | Subject1 | Mark | Grade1 |
+-----+-----+-----+-----+-----+-----+
| 1 | Somu | OS | 75 | NULL |
| 2 | Sankar | DBMS | 66 | NULL |
| 3 | Mahesh | MOBILE COMPUTING | 92 | NULL |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> DELETE FROM Student8 WHERE S_No = 2;
Query OK, 1 row affected (0.01 sec)

mysql> select * from student8;
+-----+-----+-----+-----+-----+-----+
| S_No | StudentName | Subject1 | Mark | Grade1 |
+-----+-----+-----+-----+-----+-----+
| 1 | Somu | OS | 75 | NULL |
| 3 | Mahesh | MOBILE COMPUTING | 92 | NULL |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> |
```

RESULT:

These commands assume you are using a database management system (such as MySQL or PostgreSQL) to execute the queries.