

## TASK : 1. Create Table Name : Student and Exam

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MySQL 8.0 Command Line Client
Empty set (0.00 sec)

mysql> create table student(roll_no int PRIMARY KEY, name varchar(20), branch varchar(30));
Query OK, 0 rows affected (0.03 sec)

mysql> insert into student values(1,"Jay","Comp science"),(2,"Suhani","Electronic and com"),(3,"Kriti","Electronic and com");
Query OK, 3 rows affected (0.01 sec)
Records: 3  Duplicates: 0  Warnings: 0

mysql> select * from student;
+-----+-----+-----+
| roll_no | name   | branch                |
+-----+-----+-----+
| 1       | Jay    | Comp science          |
| 2       | Suhani | Electronic and com     |
| 3       | Kriti  | Electronic and com     |
+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> DESC student;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| roll_no | int           | NO   | PRI | NULL    |       |
| name   | varchar(20)   | YES  |     | NULL    |       |
| branch | varchar(30)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.01 sec)

mysql> _
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Select MySQL 8.0 Command Line Client

mysql> use mydata;
Database changed
mysql> show tables;
+-----+
| Tables_in_mydata |
+-----+
| student           |
+-----+
1 row in set (0.01 sec)

mysql> create table exam(roll_no int,S_code varchar(20),Marks int,P_code varchar(20),
-> FOREIGN KEY (roll_no)
-> REFERENCES student(roll_no)
-> ON DELETE CASCADE
-> ON UPDATE CASCADE);
Query OK, 0 rows affected (0.04 sec)

mysql> insert into table values(1,"CS11",70,"C8"),(1,"CS12",74,"C8"),(2,"EC101",66,"EC"),(2,"EC102",80,"EC");
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 'table values(
1,"CS11",70,"C8"),(1,"CS12",74,"C8"),(2,"EC101",66,"EC"),(2,"EC102"' at line 1
mysql> insert into exam values(1,"CS11",70,"C8"),(1,"CS12",74,"C8"),(2,"EC101",66,"EC"),(2,"EC102",80,"EC");
Query OK, 4 rows affected (0.01 sec)
Records: 4  Duplicates: 0  Warnings: 0

mysql> select * from exam;
+-----+-----+-----+-----+
| roll_no | S_code | Marks | P_code |
+-----+-----+-----+-----+
| 1       | CS11   | 70    | C8     |
| 1       | CS12   | 74    | C8     |
| 2       | EC101  | 66    | EC     |
| 2       | EC102  | 80    | EC     |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> DESC exam;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| roll_no | int           | YES  | MUL | NULL    |       |
| S_code  | varchar(20)   | YES  |     | NULL    |       |
| Marks   | int           | YES  |     | NULL    |       |
| P_code  | varchar(20)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
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MySQL 8.0 Command Line Client

+-----+-----+-----+-----+
| roll_no | S_code | Marks | P_code |
+-----+-----+-----+-----+
| 1       | CS11   | 70    | C8     |
| 1       | CS12   | 74    | C8     |
| 2       | EC101  | 66    | EC     |
| 2       | EC102  | 80    | EC     |
| 3       | EC101  | 66    | EC     |
| 3       | EC102  | 80    | EC     |
+-----+-----+-----+-----+
6 rows in set (0.00 sec)

mysql> DESC exam;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| roll_no | int           | YES  | MUL | NULL    |       |
| S_code  | varchar(20)   | YES  |     | NULL    |       |
| Marks   | int           | YES  |     | NULL    |       |
| P_code  | varchar(20)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> select * from student;
+-----+-----+-----+
| roll_no | name      | branch |
+-----+-----+-----+
| 1       | Jay      | Comp science |
| 2       | Hetal   | Electronic and com |
| 3       | Kiran   | Electronic and com |
+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> DESC student;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| roll_no | int           | NO   | PRI | NULL    |       |
| name    | varchar(20)   | YES  |     | NULL    |       |
| branch  | varchar(20)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql>
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