```
mysql> CREATE TABLE S(`S#` CHAR(5) NOT NULL , Sname CHAR(20),Status SMALLINT,City CHAR(15));
Query OK, 0 rows affected (0.06 sec)

mysql> INSERT INTO S(`S#`, Sname,Status,City) VALUES("S1","SMITH","20","CITY");
    "> Insert into S values("S1","Smith",20,"London");
    "> INSERT INTO S VALUES("S1","Smith",20."London");
    "> INSERT INTO S (S#, Sname, Status, City) VALUES ('S1', 'Smith', 20, 'London');
    "> ^C
mysql> INSERT INTO S (`S#`, Sname, Status, City) VALUES ('S1', 'Smith', 20, 'London');
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO S(`S#`, Sname, Status, City) VALUES ('S2', 'Jones', 10, 'Paris');
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO S(`S#`, Sname, Status, City) VALUES ('S3', 'Blake', 30, 'Paris');
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO S(`S#`, Sname, Status, City) VALUES ('S4', 'Clark', 20, 'London');
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO S(`S#`, Sname, Status, City) VALUES ('S5', 'Adams', 30, 'Athens');
Query OK, 1 row affected (0.00 sec)

mysql> SELECT * FROM S
    -> DESC S;
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 'D
ESC S' at line 2
mysql> DESC S;
```

```
mysql> DESC S;
+--------+----------+------+-----+---------+-------+
| Field  | Type     | Null | Key | Default | Extra |
+--------+----------+------+-----+---------+-------+
| S#     | char(5)  | NO   |     | NULL    |       |
| Sname  | char(20) | YES  |     | NULL    |       |
| Status | smallint | YES  |     | NULL    |       |
| City   | char(15) | YES  |     | NULL    |       |
+--------+----------+------+-----+---------+-------+
4 rows in set (0.03 sec)

mysql> SELECT * FROM S;
+----+-------+--------+--------+
| S# | Sname | Status | City   |
+----+-------+--------+--------+
| S1 | Smith |     20 | London |
| S2 | Jones |     10 | Paris  |
| S3 | Blake |     30 | Paris  |
| S4 | Clark |     20 | London |
| S5 | Adams |     30 | Athens |
+----+-------+--------+--------+
5 rows in set (0.00 sec)
```

```
mysql> CREATE TABLE P;
ERROR 4028 (HY000): A table must have at least one visible column.
mysql> CREATE TABLE P (`P#` CHAR(6) NOT NULL, Pname CHAR(20), Color CHAR(6), Weight SMALLINT, CITY CHAR(15));
Query OK, 0 rows affected (0.02 sec)

mysql> INSERT INTO P(`P#`, Pname,Color,Weight,City) VALUES('P1', 'Nut','Red',12,'London');
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO P(`P#`, Pname,Color,Weight,City) VALUES('P2', 'Bolt','Green',17,'Paris');
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO P(`P#`, Pname,Color,Weight,City) VALUES('P3', 'Screw','Blue',17,'Rome');
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO P(`P#`, Pname,Color,Weight,City) VALUES('P4', 'Screw','Red',14,'London');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO P(`P#`, Pname,Color,Weight,City) VALUES('P5', 'Cam','Blue',12,'Paris');
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO P(`P#`, Pname,Color,Weight,City) VALUES('P6', 'Cog','Red',19,'London');
Query OK, 1 row affected (0.04 sec)

mysql> DESC P;
+--------+----------+------+-----+---------+-------+
| Field  | Type     | Null | Key | Default | Extra |
+--------+----------+------+-----+---------+-------+
| P#     | char(6)  | NO   |     | NULL    |       |
| Pname  | char(20) | YES  |     | NULL    |       |
| Color  | char(6)  | YES  |     | NULL    |       |
| Weight | smallint | YES  |     | NULL    |       |
| CITY   | char(15) | YES  |     | NULL    |       |
+--------+----------+------+-----+---------+-------+
5 rows in set (0.00 sec)
```

```
mysql> SELECT * FROM P;
+----+-------+-------+--------+--------+
| P# | Pname | Color | Weight | CITY   |
+----+-------+-------+--------+--------+
| P1 | Nut   | Red   |     12 | London |
| P2 | Bolt  | Green |     17 | Paris  |
| P3 | Screw | Blue  |     17 | Rome   |
| P4 | Screw | Red   |     14 | London |
| P5 | Cam   | Blue  |     12 | Paris  |
| P6 | Cog   | Red   |     19 | London |
+----+-------+-------+--------+--------+
6 rows in set (0.00 sec)

mysql> CREATE TABLE J(`J#` CHAR(4)NOT NULL, Jname CHAR(10),City CHAR(15));
Query OK, 0 rows affected (0.05 sec)

mysql> INSERT INTO J(`J#`, Jname,City) VALUES('J1', 'Sorter','Paris');
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO J(`J#`, Jname,City) VALUES('J2', 'Punch','Rome');
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO J(`J#`, Jname,City) VALUES('J3', 'Reader','Athens');
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO J(`J#`, Jname,City) VALUES('J4', 'Console','Athens');
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO J(`J#`, Jname,City) VALUES('J5', 'Collator','London');
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO J(`J#`, Jname,City) VALUES('J6', 'Terminal','Oslo');
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO J(`J#`, Jname,City) VALUES('J7', 'Tape','London');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> DESC J;
+-------+----------+------+-----+---------+-------+
| Field | Type     | Null | Key | Default | Extra |
+-------+----------+------+-----+---------+-------+
| J#    | char(4)  | NO   |     | NULL    |       |
| Jname | char(10) | YES  |     | NULL    |       |
| City  | char(15) | YES  |     | NULL    |       |
+-------+----------+------+-----+---------+-------+
3 rows in set (0.00 sec)

mysql> SELECT * FROM J;
+----+----------+--------+
| J# | Jname    | City   |
+----+----------+--------+
| J1 | Sorter   | Paris  |
| J2 | Punch    | Rome   |
| J3 | Reader   | Athens |
| J4 | Console  | Athens |
| J5 | Collator | London |
| J6 | Terminal | Oslo   |
| J7 | Tape     | London |
+----+----------+--------+
7 rows in set (0.00 sec)
```

```
mysql> CREATE TABLE sp;
ERROR 4028 (HY000): A table must have at least one visible column.
mysql> CREATE TABLE sp (`S#` CHAR(4) NOT NULL, P# CHAR(4) NOT NULL,
    -> CREATE TABLE sp (`S#` CHAR(4) NOT NULL, `P#` CHAR(4) NOT NULL,`J#` CHAR(4) NOT NULL, QTY
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to
REATE TABLE sp (`S#` CHAR(4) NOT NULL, `P#` CHAR(4) NOT NULL,`J#` CHAR(4) NOT N' at line 2
mysql> CREATE TABLE sp (`S#` CHAR(4) NOT NULL, `P#` CHAR(4) NOT NULL,`J#` CHAR(4) NOT NULL, QTY
Query OK, 0 rows affected (0.05 sec)

mysql> INSERT INTO sp(`S#`,`P#`,`J#`,QTY) VALUES('S1', 'P1','J1',200);
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO sp(`S#`,`P#`,`J#`,QTY) VALUES('S1', 'P1','J4',700);
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO sp(`S#`,`P#`,`J#`,QTY) VALUES('S2', 'P3','J1',400);
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO sp(`S#`,`P#`,`J#`,QTY) VALUES('S2', 'P3','J2',200);
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO sp(`S#`,`P#`,`J#`,QTY) VALUES('S2', 'P3','J3',200);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO sp(`S#`,`P#`,`J#`,QTY) VALUES('S2', 'P3','J4',500);
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO sp(`S#`,`P#`,`J#`,QTY) VALUES('S2', 'P3','J5',600);
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO sp(`S#`,`P#`,`J#`,QTY) VALUES('S2', 'P3','J6',400);
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO sp(`S#`,`P#`,`J#`,QTY) VALUES('S2', 'P3','J7',800);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO sp(`S#`,`P#`,`J#`,QTY) VALUES('S2', 'P5','J2',100);
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO sp(`S#`,`P#`,`J#`,QTY) VALUES('S3', 'P3','J1',200);
Query OK, 1 row affected (0.04 sec)
```

```
mysql> INSERT INTO sp(`S#`,`P#`,`J#`,QTY) VALUES('S3', 'P3','J1',200);
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO sp(`S#`,`P#`,`J#`,QTY) VALUES('S3', 'P4','J2',500);\
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO sp(`S#`,`P#`,`J#`,QTY) VALUES('S3', 'P6','J3',300);
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO sp(`S#`,`P#`,`J#`,QTY) VALUES('S4', 'P6','J7',300);
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO sp(`S#`,`P#`,`J#`,QTY) VALUES('S5', 'P2','J2',200);
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO sp(`S#`,`P#`,`J#`,QTY) VALUES('S5', 'P2','J4',100);
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO sp(`S#`,`P#`,`J#`,QTY) VALUES('S5', 'P5','J5',500);
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO sp(`S#`,`P#`,`J#`,QTY) VALUES('S5', 'P5','J7',100);
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO sp(`S#`,`P#`,`J#`,QTY) VALUES('S5', 'P6','J2',200);
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO sp(`S#`,`P#`,`J#`,QTY) VALUES('S5', 'P1','J4',100);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO sp(`S#`,`P#`,`J#`,QTY) VALUES('S5', 'P3','J4',200);
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO sp(`S#`,`P#`,`J#`,QTY) VALUES('S5', 'P4','J4',800);
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO sp(`S#`,`P#`,`J#`,QTY) VALUES('S5', 'P5','J4',400);
Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO sp(`S#`,`P#`,`J#`,QTY) VALUES('S5', 'P6','J4',500);
```

```
mysql> DESC sp;
+-------+---------+------+-----+---------+-------+
| Field | Type    | Null | Key | Default | Extra |
+-------+---------+------+-----+---------+-------+
| S#    | char(4) | NO   |     | NULL    |       |
| P#    | char(4) | NO   |     | NULL    |       |
| J#    | char(4) | NO   |     | NULL    |       |
| QTY   | int     | YES  |     | NULL    |       |
+-------+---------+------+-----+---------+-------+
4 rows in set (0.00 sec)

mysql> SELECT * FROM sp;
+----+----+----+------+
| S# | P# | J# | QTY  |
+----+----+----+------+
| S1 | P1 | J1 |  200 |
| S1 | P1 | J4 |  700 |
| S2 | P3 | J1 |  400 |
| S2 | P3 | J2 |  200 |
| S2 | P3 | J3 |  200 |
| S2 | P3 | J4 |  500 |
| S2 | P3 | J5 |  600 |
| S2 | P3 | J6 |  400 |
| S2 | P3 | J7 |  800 |
| S2 | P5 | J2 |  100 |
| S3 | P3 | J1 |  200 |
| S3 | P4 | J2 |  500 |
| S3 | P6 | J3 |  300 |
| S4 | P6 | J7 |  300 |
| S5 | P2 | J2 |  200 |
| S5 | P2 | J4 |  100 |
| S5 | P5 | J5 |  500 |
| S5 | P5 | J7 |  100 |
| S5 | P6 | J2 |  200 |
| S5 | P1 | J4 |  100 |
| S5 | P3 | J4 |  200 |
| S5 | P4 | J4 |  800 |
| S5 | P5 | J4 |  400 |
| S5 | P6 | J4 |  500 |
+----+----+----+------+
```