Microsoft Windows [Version 10.0.19044.2965]
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C:\Users\hp>mysql -u root -p
Enter password: ********
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 10
Server version: 8.0.31 MySQL Community Server - GPL

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

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

mysql> use stud;
Database changed
mysql> create table stud_marks(roll_no int primary key,sname varchar(30),total_marks int);
Query OK, 0 rows affected (0.02 sec)

mysql> create table result(roll_no int,class varchar(30));
Query OK, 0 rows affected (0.02 sec)

mysql> insert into stud_marks
values(1,'abc',930),(2,'xyz',1130),(3,'pqr',950),(4,'def',840),(5,'lmn',1000),(6,'twe',860);
Query OK, 6 rows affected (0.01 sec)
Records: 6 Duplicates: 0 Warnings: 0

mysql> select * from stud_marks;
+---------+-------+-------------+
| roll_no | sname | total_marks |
+---------+-------+-------------+
1	abc	930
2	xyz	1130
3	pqr	950
4	def	840
5	lmn	1000
6	twe	860
+---------+-------+-------------+

6 rows in set (0.00 sec)

```
mysql> delimiter //
mysql> create procedure credit (IN roll int)
    -> begin
    -> declare m int;
    -> declare c varchar(20);
    -> select total_marks into m from stud_marks where roll_no=roll;
    -> if m>=990 and m <=1500 then
    -> set c='Distinction';
    -> insert into result values (roll,c);
    -> elseif m>=900 and m<=989 then
    -> set c='First Class';
    -> insert into result values(roll,c);
    -> elseif m>=825 and m<=899 then
    -> set c='Higher Second Class';
    -> insert into result values(roll,c);
    -> end if;
    -> end //
Query OK, 0 rows affected (0.01 sec)

mysql> call credit(1)//
Query OK, 1 row affected (0.01 sec)

mysql> select * from result//
+---------+-------------+
| roll_no | class       |
+---------+-------------+
|       1 | First Class |
+---------+-------------+
1 row in set (0.00 sec)

mysql> call credit(2)//
Query OK, 1 row affected (0.01 sec)

mysql> call credit(3)//
Query OK, 1 row affected (0.01 sec)

mysql> call credit(4)//
Query OK, 1 row affected (0.01 sec)

mysql> call credit(5)//
Query OK, 1 row affected (0.01 sec)
```

```
mysql> call credit(6)//
Query OK, 1 row affected (0.01 sec)

mysql> select * from result//
+---------+--------------------+
| roll_no | class              |
+---------+--------------------+
|       1 | First Class        |
|       2 | Distinction        |
|       3 | First Class        |
|       4 | Higher Second Class |
|       5 | Distinction        |
|       6 | Higher Second Class |
+---------+--------------------+
6 rows in set (0.00 sec)
```

FUNCTION

```
mysql>
create function disp_grade2(roll1 int)
    -> RETURNS varchar(20)
    ->  DETERMINISTIC
    -> READS SQL DATA
    -> begin
    -> declare m1 int;
    -> declare c1 varchar(20);
    -> select total_marks into m1 from stud_marks where roll1=roll_no;
    -> if m1>=990 and m1<=1500 then
    -> set c1='Distinction';
    -> elseif m1>=900 and m1<=989 then
    ->  set c1='First Class';
    -> elseif m1>=825 and m1<=899 then
    -> set c1='Higher Second Class';
    -> end if;
    -> return c1;
    -> end //
Query OK, 0 rows affected (0.01 sec)




mysql> select disp_grade2(1)//
+----------------+
```

```
| disp_grade2(1) |
+----------------+
| First Class    |
+----------------+
1 row in set (0.01 sec)


mysql> select disp_grade2(2)//
+----------------+
| disp_grade2(2) |
+----------------+
| Distinction    |
+----------------+
1 row in set (0.00 sec)


mysql> select disp_grade2(3)//
+----------------+
| disp_grade2(3) |
+----------------+
| First Class    |
+----------------+
1 row in set (0.00 sec)
```