

Microsoft Windows [Version 6.3.9600]

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C:\Users\ABHISHEK GHARAT>mysql -u root -p

Enter password: ****

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 28

Server version: 8.0.39 MySQL Community Server - GPL

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

mysql> use abhishek;

Database changed

mysql> create table marks(roll_no int,name varchar(20),total_marks varchar(20));

Query OK, 0 rows affected (0.86 sec)

mysql> create table result(roll_no int,name varchar(20),class varchar(20));

Query OK, 0 rows affected (0.33 sec)

```
mysql> INSERT INTO marks (roll_no, name, total_marks) VALUES
```

```
-> (1, 'Abhishek', 1400),
```

```
-> (2, 'Karan', 980),
```

```
-> (3, 'Baliram', 880),
```

```
-> (4, 'Vishwa', 820),
```

```
-> (5, 'Amit', 740),
```

```
-> (6, 'Shrinath', 640);
```

Query OK, 6 rows affected (0.08 sec)

Records: 6 Duplicates: 0 Warnings: 0

```
mysql> DROP PROCEDURE IF EXISTS proc_result;
```

Query OK, 0 rows affected, 1 warning (0.01 sec)

```
mysql> DROP FUNCTION IF EXISTS final_result;
```

Query OK, 0 rows affected, 1 warning (0.02 sec)

```
mysql> delimiter //
```

```
mysql> create procedure proc_result(in marks int, out
```

```
-> class char(20))
```

```
-> begin
```

```
-> IF (marks >= 990 AND marks < 1500) THEN
```

```
-> SET class = 'Distinction';
```

```
-> ELSEIF (marks >= 890 AND marks < 990) THEN
```

-> SET class = 'First Class';

-> ELSEIF (marks >= 650 AND marks < 749) THEN

-> SET class = 'Second Class';

-> ELSEIF (marks >= 649 AND marks < 650) THEN

-> SET class = 'Passed';

-> ELSE

-> SET class = 'Fail';

-> END IF;

-> END //

Query OK, 0 rows affected (0.08 sec)

mysql> DELIMITER ;

mysql> DELIMITER //

mysql>

mysql> CREATE FUNCTION final_result(R1 INT)

-> RETURNS CHAR(20)

-> DETERMINISTIC

-> BEGIN

-> DECLARE fmarks INT;

-> DECLARE grade CHAR(20);

->

-> SELECT total_marks INTO fmarks FROM marks WHERE roll_no = R1;

->

-> CALL proc_result(fmarks, grade);

->

-> RETURN grade;

-> END //

Query OK, 0 rows affected (0.07 sec)

mysql>

mysql> DELIMITER ;

mysql>

mysql> SELECT roll_no, name, final_result(roll_no) AS class FROM marks;

roll_no	name	class
1	Abhishek	Distinction
2	Karan	First Class
3	Baliram	Fail
4	Vishwa	Fail
5	Amit	Second Class
6	Shrinath	Fail

6 rows in set (0.00 sec)