**Name : Kashid Raj Shivaji**

**Roll No: 13215**

**TE ‘B’**

**Practical No: 7**

**Enter password: \*\*\*\***

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

**Your MySQL connection id is 11**

**Server version: 8.0.30 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 Score;**

**Query OK, 1 row affected (0.00 sec)**

**mysql> use Score;**

**Database changed**

**mysql> create table stud\_marks(name varchar(20),total\_marks int(5));**

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

**mysql> create table result(roll\_no int(3) primary key,name varchar(20),class varchar(20));**

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

**mysql> insert into stud\_marks values('Suresh',995);**

**Query OK, 1 row affected (0.01 sec)**

**mysql> insert into stud\_marks values('Harish',865);**

**Query OK, 1 row affected (0.00 sec)**

**mysql> insert into stud\_marks values('Samart',920);**

**Query OK, 1 row affected (0.00 sec)**

**mysql> insert into stud\_marks values('Mohan',1000);**

**Query OK, 1 row affected (0.00 sec)**

**mysql> insert into stud\_marks values('Soham',745);**

**Query OK, 1 row affected (0.00 sec)**

**mysql> select \* from stud\_marks;**

**+--------+-------------+**

**| name | total\_marks |**

**+--------+-------------+**

**| Suresh | 995 |**

**| Harish | 865 |**

**| Samart | 920 |**

**| Mohan | 1000 |**

**| Soham | 745 |**

**+--------+-------------+**

**5 rows in set (0.00 sec)**

**mysql> insert into result(roll\_no,Name) values(1,'Suresh');**

**Query OK, 1 row affected (0.00 sec)**

**mysql> insert into result(roll\_no,Name) values(2,'Harish');**

**Query OK, 1 row affected (0.00 sec)**

**mysql> insert into result(roll\_no,Name) values(3,'Samart');**

**Query OK, 1 row affected (0.00 sec)**

**mysql> insert into result(roll\_no,Name) values(4,'Mohan');**

**Query OK, 1 row affected (0.00 sec)**

**mysql> insert into result(roll\_no,Name) values(5,'Soham');**

**Query OK, 1 row affected (0.00 sec)**

**mysql> select \* from result;**

**+---------+--------+-------+**

**| roll\_no | name | class |**

**+---------+--------+-------+**

**| 1 | Suresh | NULL |**

**| 2 | Harish | NULL |**

**| 3 | Samart | NULL |**

**| 4 | Mohan | NULL |**

**| 5 | Soham | NULL |**

**+---------+--------+-------+**

**5 rows in set (0.00 sec)**

**mysql> delimiter //**

**mysql> create procedure proc\_Grade(in r int(2),out grade char(25))**

**-> begin**

**-> declare m int(4);**

**-> select total\_marks into m from stud\_marks where name=(select name from result where roll\_no=r);**

**-> if m>=990 and m<=1500 then**

**-> select 'Distinction' into grade;**

**-> update Result set Class='Distinction' where Roll\_no=r;**

**-> elseif m>=900 and m<=989 then**

**-> select 'FirstClass' into grade;**

**-> update Result set Class='FirstClass' where Roll\_no=r;**

**-> elseif m>=825 and m<=899 then**

**-> select 'SecondClass' into grade;**

**-> update Result set Class='SecondClass' where Roll\_no=r;**

**-> else**

**-> select '--' into grade;**

**-> update Result set Class='--' where Roll\_no=r;**

**-> end if;**

**-> end //**

**Query OK, 0 rows affected, 2 warnings (0.01 sec)**

**mysql> delimiter //**

**mysql> create function func\_Grade(r int(2))**

**-> returns varchar(25)**

**-> deterministic**

**-> begin**

**-> declare grade varchar(25);**

**-> call proc\_Grade(r,grade);**

**-> return grade;**

**-> end //**

**Query OK, 0 rows affected, 1 warning (0.00 sec)**

**mysql> select func\_Grade(1);**

**+---------------+**

**| func\_Grade(1) |**

**+---------------+**

**| Distinction |**

**+---------------+**

**1 row in set (0.01 sec)**

**mysql> select func\_Grade(2);**

**+---------------+**

**| func\_Grade(2) |**

**+---------------+**

**| SecondClass |**

**+---------------+**

**1 row in set (0.00 sec)**

**mysql> select func\_Grade(3);**

**+---------------+**

**| func\_Grade(3) |**

**+---------------+**

**| FirstClass |**

**+---------------+**

**1 row in set (0.00 sec)**

**mysql> select func\_Grade(4);**

**+---------------+**

**| func\_Grade(4) |**

**+---------------+**

**| Distinction |**

**+---------------+**

**1 row in set (0.00 sec)**

**mysql> select func\_Grade(5);**

**+---------------+**

**| func\_Grade(5) |**

**+---------------+**

**| -- |**

**+---------------+**

**1 row in set (0.00 sec)**

**mysql> select \* from result;**

**+---------+--------+-------------+**

**| roll\_no | name | class |**

**+---------+--------+-------------+**

**| 1 | Suresh | Distinction |**

**| 2 | Harish | SecondClass |**

**| 3 | Samart | FirstClass |**

**| 4 | Mohan | Distinction |**

**| 5 | Soham | -- |**

**+---------+--------+-------------+**

**5 rows in set (0.00 sec)**