ASSIGNMENT NO : 6 (A)

Name : Ronak Sanjay Rahane
Roll No : 26
Batch : TE - B2

PROBLEM STATEMENT :

Write a Stored Procedure namely proc_Grade for the categorisation of student. If marks scored by students in examination is <=1500 and marks>=990 then student will be placed in distinction category if marks scored are between 989 and 900 category is first class, if marks 899 and 825 category is Higher Second Class. Write a PL/SQLblock to use procedure created with above requirement. Stud_Marks(rollno,name, total_marks) Result(rollno,Name, Class)

Output :

gescoe@gescoe-OptiPlex-3010:~$ mysql -h 192.168.2.232 -u TE_B_26 -p
Enter password:
ERROR 1045 (28000): Access denied for user 'TE_B'@'192.168.2.224' (using password: NO)
gescoe@gescoe-OptiPlex-3010:~$ mysql -h 192.168.2.232 -u TE_B_26 -p
Enter password:
ERROR 1045 (28000): Access denied for user 'TE_B_26'@'192.168.2.224' (using password: NO)
gescoe@gescoe-OptiPlex-3010:~$ mysql -h 192.168.2.232 -u TE_B_26 -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 32
Server version: 5.6.41 MySQL Community Server (GPL)

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owners.

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

mysql> create database student_marks;
Query OK, 1 row affected (0.00 sec)

mysql> use student_marks;
Database changed
mysql> create table student_26(rollno int primary key, name varchar, marks int);

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 ' marks int)' at line 1
mysql> create table student_26(rollno int primary key,name varchar,marks int);
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 'marks int)' at line 1
mysql> create table student_26(rollno int primary key,name varchar,mark int);
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 'mark int)' at line 1
mysql> create table student_26(rollno int primary key,name varchar(20),marks int
);
Query OK, 0 rows affected (0.30 sec)

mysql> insert into student_26 values(1,'vedant',400)
    -> ;
Query OK, 1 row affected (0.04 sec)

mysql> insert into student_26 values(2,'dhawal',200);
Query OK, 1 row affected (0.03 sec)

mysql> insert into student_26 values(3,'ronak',1100);
Query OK, 1 row affected (0.05 sec)

mysql> insert into student_26 values(4,'priyant',900);
Query OK, 1 row affected (0.10 sec)

mysql> insert into student_26 values(5,'aditya',1600);
Query OK, 1 row affected (0.05 sec)

mysql> se;ect * from student_26;
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 'se' at line 1
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 'ect * from
student_26' at line 1
mysql> select * from student_26;
+--------+---------+-------+
| rollno | name | marks |
+--------+---------+-------+
1	vedant	400
2	dhawal	200
3	ronak	1100
4	priyant	900
5	aditya	1600
+--------+---------+-------+

5 rows in set (0.00 sec)

mysql> create table result_26(rollno int,name varchar(20),class varchar(20));
Query OK, 0 rows affected (0.30 sec)

mysql> select * from result_26;
Empty set (0.07 sec)

mysql>
mysql> drop procedure if exists proc_Grade;
Query OK, 0 rows affected, 1 warning (0.00 sec)

mysql>
mysql>   delimiter //
mysql>
mysql>   create procedure proc_Grade()
    ->   begin
    ->   DECLARE done INT default 0;
    ->
    ->   declare s_marks int;
    ->   declare s_rollno int;
    ->   declare s_name varchar(30);
    ->   declare s_class varchar(30);
    ->
    ->   declare s_student cursor For Select rollno, name, marks from student_26;
    ->
    ->
    ->   DECLARE CONTINUE HANDLER FOR NOT FOUND SET done = 1;
    ->   open s_student;
    ->
    ->   read_loop: LOOP
    ->   fetch s_student into s_rollno,s_name,s_marks;
    ->
    ->   IF done = 1 THEN
    ->   LEAVE read_loop;
    ->   END IF;
    ->
    ->   if(s_marks<=1500 and s_marks>=990) then
    ->   set s_class='Distinction';
    ->
    ->   elseif(s_marks<=989 and s_marks>=900) then
    ->   set s_class='First Class';
    ->
    ->   elseif (s_marks<=899 and s_marks>=825) then

```
    ->            set s_class='Higher Second Class';
    ->
    ->    else
    ->      set s_class='Pass';
    ->
    ->    end if;
    ->     insert into result_26(rollno,name,class)values(s_rollno,s_name,s_class);
    ->
    ->  END LOOP;
    ->         close s_student;
    ->         end;
    -> //
Query OK, 0 rows affected (0.00 sec)
mysql>
mysql> delimiter ;
mysql> call proc_Grade();
Query OK, 0 rows affected (0.30 sec)

mysql> select * from result_26;
+--------+---------+-------------+
| rollno | name    | class       |
+--------+---------+-------------+
|      1 | vedant  | Pass        |
|      2 | dhawal  | Pass        |
|      3 | ronak   | Distinction |
|      4 | priyant | First Class |
|      5 | aditya  | Pass        |
+--------+---------+-------------+
5 rows in set (0.00 sec)

mysql> select * from student_26;
+--------+---------+-------+
| rollno | name    | marks |
+--------+---------+-------+
|      1 | vedant  |   400 |
|      2 | dhawal  |   200 |
|      3 | ronak   |  1100 |
|      4 | priyant |   900 |
|      5 | aditya  |  1600 |
+--------+---------+-------+
5 rows in set (0.00 sec)

mysql>
```