

1 DBMSL Assignment No 5  
2 Name - Himanshu Vijay Lonkar  
3 Roll No - C31149  
4 Batch - T3

5  
6 Program:-

7  
8 1. Table Stud\_Marks.

9  
10 mysql> create table Stud\_Marks(name varchar(90),total\_marks int);  
11 Query OK, 0 rows affected (0.03 sec)

12  
13 mysql> desc Stud\_Marks;

14 +-----+-----+-----+-----+-----+-----+  
15 | Field | Type | Null | Key | Default | Extra |  
16 +-----+-----+-----+-----+-----+-----+  
17 | name | varchar(90) | YES | | NULL | |  
18 | total\_marks | int | YES | | NULL | |  
19 +-----+-----+-----+-----+-----+-----+  
20 2 rows in set (0.03 sec)

21  
22 2. Table Result

23  
24 mysql> create table Result(Roll int,name varchar(90),class varchar(100);  
25 Query OK, 0 rows affected (0.03 sec)

26  
27 mysql> desc Result;

28 +-----+-----+-----+-----+-----+-----+  
29 | Field | Type | Null | Key | Default | Extra |  
30 +-----+-----+-----+-----+-----+-----+  
31 | Roll | int | YES | | NULL | |  
32 | Name | varchar(90) | YES | | NULL | |  
33 | Class | varchar(100) | YES | | NULL | |  
34 +-----+-----+-----+-----+-----+-----+  
35 3 rows in set (0.00 sec)

36 3.Procedure proc\_grade().

37  
38 mysql> delimiter //

39 mysql> Create Procedure proc\_grade (IN roll int,IN name varchar(90),IN marks int)  
40 -> BEGIN  
41 -> Declare class varchar(100);  
42 -> IF marks<=1500 and marks>=990 THEN set class='Distinction';  
43 -> ELSEIF marks <=989 and marks>=900 THEN set class='First Class';  
44 -> ELSEIF marks<=899 and marks>=825 THEN set class='Higher Second Class';  
45 -> ELSE set class='Fail';  
46 -> END IF;  
47 -> Insert into Stud\_Marks values(name,marks);  
48 -> Insert into Result values(roll,name,class);  
49 -> END ; //

50 Query OK, 0 rows affected (0.00 sec)

51  
52 mysql> delimiter ;

53  
54 4.Function total\_count().

55  
56 mysql> delimiter //

57 mysql> create function total\_count() Returns int  
58 -> DETERMINISTIC BEGIN  
59 -> Declare count int;  
60 -> select count(Roll) into count from Result;  
61 -> Return count;  
62 -> End ; //

63 Query OK, 0 rows affected (0.01 sec)

64  
65 mysql> delimiter ;

66  
67 5. Calling the procedure to enter the data into the tables.

68  
69 mysql> Call proc\_grade(1,'ABC',990);

```

70      Query OK, 1 row affected (0.01 sec)
71
72      mysql> Call proc_grade(2,'PQR',900);
73      Query OK, 1 row affected (0.01 sec)
74
75      mysql> Call proc_grade(3,'LMN',825);
76      Query OK, 1 row affected (0.01 sec)
77
78      mysql> Call proc_grade(4,'XYZ',823);
79      Query OK, 1 row affected (0.01 sec)
80
81      mysql> select * from Stud_Marks;
82      +-----+-----+
83      | name | total_marks |
84      +-----+-----+
85      | ABC  |          990 |
86      | PQR  |          900 |
87      | LMN  |          825 |
88      | XYZ  |          823 |
89      +-----+-----+
90      4 rows in set (0.00 sec)
91
92      mysql> select * from Result;
93      +-----+-----+-----+
94      | Roll | Name | Class |
95      +-----+-----+-----+
96      |    1 | ABC  | Distinction |
97      |    2 | PQR  | First Class |
98      |    3 | LMN  | Higher Second Class |
99      |    4 | XYZ  | Fail |
100     +-----+-----+-----+
101     4 rows in set (0.00 sec)
102
103 6.Calling the Function.
104
105      mysql> select total_count();
106      +-----+
107      | total_count() |
108      +-----+
109      |          4 |
110      +-----+
111      1 row in set (0.01 sec)

```