

## Practical-5

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

```
Query OK, 0 rows affected (0.67 sec)
```

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

```
Query OK, 0 rows affected (0.41 sec)
```

```
mysql> insert into marks values('1','Aniket','1400');
```

```
Query OK, 1 row affected (0.04 sec)
```

```
mysql> insert into marks values('2','Sneha','980');
```

```
Query OK, 1 row affected (0.08 sec)
```

```
mysql> insert into marks values('3','Amit','880');
```

```
Query OK, 1 row affected (0.08 sec)
```

```
mysql> insert into marks values('4','Priya','820');
```

```
Query OK, 1 row affected (0.08 sec)
```

```
mysql> insert into marks values('5','Vikas','740');
```

```
Query OK, 1 row affected (0.03 sec)
```

```
mysql> insert into marks values('6','Aniket','640');
```

```
Query OK, 1 row affected (0.08 sec)
```

```
mysql> delimiter //
```

```
mysql> create procedure proc_result(in marks int,out class  
char(20))
```

```
-> begin
```

```
-> if(marks<1500&&marks>990)
```

```
-> then
```

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

```
-> end if;
```

```
-> if(marks<989&&marks>890)
```

```
-> then
```

```
-> set class='First Class';
```

```
-> end if;
```

```
-> if(marks<889&&marks>825)
-> then
-> set class='Higher Second Class';
-> end if;
-> if(marks<824&&marks>750)
-> then
-> set class='Second Class';-> end if;if(marks<749&&marks>650)
-> then
-> set class='Passed';
-> end if;
-> if(marks<649)
-> then
-> set class='Fail';
-> end if;
-> end;
-> //
Query OK, 0 rows affected (0.00 sec)
```

```
mysql> create function final_result3(R1 int)
-> returns int
-> begin
-> declare fmarks integer;
-> declare grade varchar(20);
-> declare stud_name varchar(20);
-> select marks.total_marks,marks.name into
fmarks,stud_name from marks where marks.roll_no=R1;
-> call proc_grade(fmarks,@grade);
-> insert into result values(R1,stud_name,@grade);
-> return R1;
-> end;
-> //

```

```
Query OK, 0 rows affected (0.00 sec)
```

```
mysql> select final_result3(2);
-> //
+-----+
| final_result3(2) |
+-----+|
2 |
+-----+
1 row in set (0.05 sec)
```

```
mysql> select final_result3(3);//
+-----+
| final_result3(3) |
+-----+|
|
```

```
3 |
+-----+
1 row in set (0.04 sec)
```

```
mysql> select final_result3(4);//
+-----+
| final_result3(4) |
+-----+
|
4 |
```

```
1 row in set (0.12 sec)
```

```
mysql> select final_result3(5);//
```

```
+-----+
| final_result3(5) |
+-----+
|
5 |
```

```
+-----+
1 row in set (0.05 sec)
```

```
mysql> select * from result;
```

```
-> //
+-----+-----+
| roll_no | name   | class      |
+-----+-----+
| 1 | NULL  | Distinction |
| 1 | Aniket | Distinction |
| 1 | Aniket | Distinction |
| 2 | Sneha | First Class |
| 3 | Amit   | Higher Second Class |
| 4 | Priya  | Second Class   |
| 5 | Vikas  | Passed       |
+-----+-----+
7 rows in set (0.00 sec)
```