

Output :-

```
mysql> create table result(roll_no int,name varchar(20),class varchar(20));
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> insert into marks values('5','divya','1400');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into marks values('98','vishakha','98');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into marks values('3','rohan','880');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into marks values('4','supriya','820');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into marks values('7','harshita','740');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into marks values('6','sanchita','640');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> delimiter //
mysql> create procedure proc_result(in marks int,out class
-> char(20))
-> begin
-> if(marks<1500&&marks>990)
-> then
-> set class='Distincton';
-> 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, 5 warnings (0.01 sec)

```
mysql> create function final_result4(R1 int)
```

```
-> returns int
-> READS SQL DATA
-> DETERMINISTIC
-> 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_result(fmarks,@grade);
-> insert into result values(R1,stud_name,@grade);
-> return R1;
-> end;
-> //
```

Query OK, 0 rows affected (0.01 sec)

```
mysql> select final_result4(2);
```

```
-> //
```

```
+-----+
| final_result4(2) |
+-----+
|          2 |
+-----+
```

1 row in set (0.01 sec)

```
mysql> select final_result4(3);//
```

```
+-----+
| final_result4(3) |
+-----+
|          3 |
+-----+
```

1 row in set (0.01 sec)

```
mysql> select final_result4(4);//
```

```
+-----+
| final_result4(4) |
+-----+
|          4 |
+-----+
```

1 row in set (0.01 sec)

```
mysql> select final_result4(5);//
```

```
+-----+
| final_result4(5) |
+-----+
```

```
|          5 |  
+-----+
```

1 row in set (0.00 sec)

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

```
+-----+-----+-----+  
| roll_no | name   | class          |  
+-----+-----+-----+  
|      5 | divya | First Class    |  
|     98 | vishakha | Higher Second Class |  
|      3 | rohan | Second Class   |  
|      4 | supriya | Passed         |  
+-----+-----+-----+
```

4 rows in set (0.00 sec)