

```
mysql> use stud
```

```
Database changed
```

```
mysql> create table stud_marks1(roll_no int(10) primary key,Name varchar(30),total_marks int(10));
```

```
Query OK, 0 rows affected, 2 warnings (0.27 sec)
```

```
mysql> insert into stud_marks1 values(100,"mansi",1000);
```

```
Query OK, 1 row affected (0.23 sec)
```

```
mysql> insert into stud_marks1 values(200,"kirti",1240);
```

```
Query OK, 1 row affected (0.18 sec)
```

```
mysql> insert into stud_marks1 values(300,"aarti",920);
```

```
Query OK, 1 row affected (0.07 sec)
```

```
mysql> insert into stud_marks1 values(400,"shruti",870);
```

```
Query OK, 1 row affected (0.06 sec)
```

```
mysql> insert into stud_marks1 values(500,"sai",958);
```

```
Query OK, 1 row affected (0.18 sec)
```

```
mysql> select *from stud_marks1;
```

```
+-----+-----+-----+
| roll_no | Name  | total_marks |
+-----+-----+-----+
| 100 | mansi | 1000 |
| 200 | kirti | 1240 |
| 300 | aarti | 920 |
```

	400	shruti		870	
	500	sai		958	
+-----+-----+-----+					

5 rows in set (0.00 sec)

```
mysql> create table Result(rno int(10), name Varchar(20),class varchar(30)); //
```

Query OK, 0 rows affected, 1 warning (0.28 sec)

```
mysql> delimiter //
```

```
mysql> Create procedure proc_grades2(rnol int)
```

```
-> begin
```

```
-> declare grade varchar(20);
```

```
-> Declare markl int(10);
```

```
-> Declare namel varchar(50);
```

```
-> Declare Continue Handler for sqlwarning set grade="NOT FOUND";
```

```
-> Select total_marks,name into markl,namel from Stud_marks where roll_no=rnol;
```

```
-> If (markl>=990 and markl<=1500)then
```

```
-> Set grade="Distinction";
```

```
-> insert into Result values(rnol,namel,grade);
```

```
-> elseif (markl>=900 and markl<=989) then
```

```
-> Set grade="First Class";
```

```
-> insert into Result values(rnol,namel,grade);
```

```
-> elseif (markl>=825 and markl<=899) then
```

```
-> Set grade="Higher Second Class";
```

```
-> insert into Result values(rnol,namel,grade);
```

```
-> end if;
```

```
-> select grade;
```

```
-> end //
```

Query OK, 0 rows affected, 1 warning (0.38 sec)

```
mysql> call proc_grades2(100); //
```

```
+-----+  
| grade  |  
+-----+  
| Distinctions |  
+-----+
```

1 row in set (0.00 sec)

Query OK, 0 rows affected (0.01 sec)

```
mysql> call proc_grades2(300); //
```

```
+-----+  
| grade  |  
+-----+  
| First Class |  
+-----+
```

1 row in set (0.00 sec)

Query OK, 0 rows affected (0.00 sec)

```
mysql> delimiter //
```

```
mysql> Create function F_grades1(rnol int) returns varchar(20)
```

```
-> DETERMINISTIC
```

```
-> Begin
```

```
-> Declare grade varchar(20);
```

```
-> Declare markl int(10);
```

```
-> Declare namel varchar(50);
```

```
-> Declare Continue Handler for sqlwarning set grade="NOT FOUND";
```

```
-> Select total_marks,name into markl,namel from Stud_marks where roll_no=rnol;
```

```
-> If (markl>=990 and markl<=1500)then
```

```

-> Set grade="Distinction";
-> insert into Result values(rnol,namel,grade);
-> elseif (markl>=900 and markl<=989) then
-> Set grade="First Class";
-> insert into Result values(rnol,namel,grade);
-> elseif (markl>=825 and markl<=899) then
-> Set grade="Higher Second Class";
-> insert into Result values(rnol,namel,grade);
-> End if;
-> Return grade;
-> End //

```

Query OK, 0 rows affected, 1 warning (0.14 sec)

```
mysql> select F_grades1(100); //
```

```

+-----+
| F_grades1(100) |
+-----+
| Distinction    |
+-----+

```

1 row in set (0.02 sec)

```
mysql> select F_grades1(200); //
```

```

+-----+
| F_grades1(200) |
+-----+
| Distinction    |
+-----+

```

1 row in set (0.00 sec)

```
mysql> select F_grades1(300); //
```

```
+-----+  
| F_grades1(300) |  
+-----+  
| First Class   |  
+-----+
```

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

```
mysql> select F_grades1(400); //
```

```
+-----+  
| F_grades1(400) |  
+-----+  
| Higher Second Class |  
+-----+
```

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

```
mysql> select F_grades1(500); //
```

```
+-----+  
| F_grades1(500) |  
+-----+  
| First Class   |  
+-----+
```

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

```
mysql> select *from Result; //
```

```
+-----+-----+-----+  
| roll_no | Name  | Class  |
```

	100	mansi	Distinction
	200	kirti	Distinction
	300	aarti	First Class
	400	shruti	Higher Second Class
	500	sai	First Class

5 rows in set (0.00 sec)