

```
> create table stud_marks(roll_no int primary key, name char(10), total_marks  
-> int);
```

Query OK, 0 rows affected (0.07 sec)

```
> insert into stud_marks values(101,'abc', 933);
```

Query OK, 1 row affected (0.01 sec)

```
> insert into stud_marks values(102,'xyz', 356);
```

Query OK, 1 row affected (0.02 sec)

```
> insert into stud_marks values(103,'mnk', 450);
```

Query OK, 1 row affected (0.05 sec)

```
> insert into stud_marks values(104,'pqr', 675);
```

Query OK, 1 row affected (0.02 sec)

```
> insert into stud_marks values(105,'snk', 1300);
```

Query OK, 1 row affected (0.01 sec)

```
> insert into stud_marks values(106,'jnk', 250);
```

Query OK, 1 row affected (0.01 sec)

```
> select * from stud_marks;
```

```
+-----+-----+-----+  
| roll_no | name | total_marks |  
+-----+-----+-----+  
|      101 | abc  |          933 |  
|      102 | xyz  |          356 |  
|      103 | mnk  |          450 |  
|      104 | pqr  |          675 |  
|      105 | snk  |         1300 |  
|      106 | jnk  |          250 |  
+-----+-----+-----+
```

6 rows in set (0.00 sec)

```
> create table result (roll_no int, name char(30), class char(20))//
```

Query OK, 0 rows affected (0.05 sec)

```
> delimiter //
```

```
> create procedure proc_grade(in marks int, out class char(10))
```

```
-> begin
```

```
-> if marks<=1500 and marks>=990 then set class='DIST';
```

```
-> end if;
```

```
-> if marks<=989 and marks>=900 then set class='FC';
```

```
-> end if;
```

```
-> if marks<=899 and marks>=825 then set class='HSC';
```

```
-> end if;
```

```
-> if marks<=824 and marks>=750 then set class='SC';
```

```
-> end if;
```

```
-> if marks<=749 and marks>=650 then set class='PC';
```

```
-> end if;
```

```
-> if marks < 650 then set class='fail';
```

```
-> end if;
```

```
-> end ;  
-> //
```

Query OK, 0 rows affected, 3 warnings (0.02 sec)

```
> create function find_result(roll_in int) returns int deterministic  
-> begin  
-> declare fmarks int;  
-> declare grade char(10);  
-> declare stud_name char(10);  
-> select stud_marks.total_marks,stud_marks.name into fmarks, stud_name from  
-> stud_marks where stud_marks.roll_no=roll_in;  
-> call proc_grade(fmarks,@grade);  
-> insert into result values(roll_in,stud_name, @grade);  
-> return roll_in; end;//
```

Query OK, 0 rows affected (0.00 sec)

```
> select find_result(104)//  
+-----+  
| find_result(104) |  
+-----+  
|          104 |  
+-----+  
1 row in set (0.02 sec)
```

```
> select * from result //  
+-----+-----+-----+  
| roll_no | name | class |  
+-----+-----+-----+  
|      104 | pqr  | PC    |  
+-----+-----+-----+
```

```
> select find_result (101)//  
+-----+  
| find_result (101) |  
+-----+  
|          101 |  
+-----+  
1 row in set (0.02 sec)
```

```
> select * from result //  
+-----+-----+-----+  
| roll_no | name | class |  
+-----+-----+-----+  
|      104 | pqr  | PC    |  
|      101 | abc  | FC    |  
+-----+-----+-----+  
2 rows in set (0.00 sec)
```

```
> select find_result (106)//  
+-----+  
| find_result (106) |  
+-----+  
|          106 |  
+-----+
```

1 row in set (0.02 sec)

```
> select * from result //
+-----+-----+-----+
| roll_no | name | class |
+-----+-----+-----+
|      104 | pqr  | PC    |
|      101 | abc  | FC    |
|      106 | jnk  | fail  |
+-----+-----+-----+
```

```
> select find_result (104)//
+-----+
| find_result (104) |
+-----+
|              104 |
+-----+
1 row in set (0.02 sec)
```

```
> select * from result //
+-----+-----+-----+
| roll_no | name | class |
+-----+-----+-----+
|      104 | pqr  | PC    |
|      101 | abc  | FC    |
|      106 | jnk  | fail  |
|      104 | pqr  | PC    |
+-----+-----+-----+
4 rows in set (0.00 sec)
```