PL/SQL Stored Procedure & function

Stored Procedure:-

```
create or replace procedure stud_grade1
 (rol in number,
 s_rollno out stud_info.roll%type,
 s_name out  stud_info.stud_name%type,
 s_total out stud_info.final_marks%type,
 s_dept out stud_info.dept%type)
 as
 begin
 select stud_name,final_marks,roll,dept into s_name,s_total,s_rollno,s_dept
from stud_info where roll=rol;
 if s_total <=100 and s_total>=75  then
 insert into  stud_res values(s_rollno,s_name,s_dept,'Student passed with
distinction');
dbms_output.put_line('Table Updated!');
 else if s_total<=74 and s_total>= 60 then
 insert into  stud_res values(s_rollno,s_name,s_dept,'Student passed with first
class');
dbms_output.put_line('Table Updated!');
 else  if s_total<=59 and s_total>=40 then
 insert into  stud_res values(s_rollno,s_name,s_dept,'Student passed');
dbms_output.put_line('Table Updated!');
 else
 insert into  stud_res values(s_rollno,s_name,s_dept,'Student fail');
 end if;
 end if;
 end if;
 end;
```

Call to Stored Procedure:-

```
Declare
 rol number(20);
 s_rollno stud_info.roll%type;
 s_name stud_info.stud_name%type;
 s_total stud_info.final_marks%type;
 s_dept stud_info.dept%type;
 Begin
 dbms_output.put_line('Enter value for rol:');
 rol:=&rol;
```

```
 stud_grade1(rol,s_rollno,s_name,s_total,s_dept);
 End;
```

Output:
```
Enter value for rol:101
old  7:  rol:=&rol;
new  7:  rol:=101;
Table  Updated!
```

Stored Function:-

```
create or replace function fun_stud_grade(rol in number)
  return number
as
 s_rollno stud_info.roll%type;
 s_name stud_info.stud_name%type;
 s_total stud_info.final_marks%type;
 s_dept stud_info.dept%type;
 begin
 select stud_name,final_marks,roll,dept into s_name,s_total,s_rollno,s_dept
from stud_info where roll=rol;
 if s_total <=100 and s_total>=75  then
 insert into  stud_res values(s_rollno,s_name,s_dept,'Student passed with
distinction');
dbms_output.put_line('Table Updated!');
 else if s_total<=74 and s_total>= 60 then
 insert into  stud_res values(s_rollno,s_name,s_dept,'Student passed with first
class');
dbms_output.put_line('Table Updated!');
 else  if s_total<=59 and s_total>=40 then
 insert into  stud_res values(s_rollno,s_name,s_dept,'Student passed');
dbms_output.put_line('Table Updated!');
 else
 insert into  stud_res values(s_rollno,s_name,s_dept,'Student fail');
dbms_output.put_line('Table Updated!');
 end if;
 end if;
 end if;
 return s_rollno;
 end;
```

Calling to Function:-

```
declare
rol number(20):=&rol;
s_rollno number(20);
begin
s_rollno:=fun_stud_grade(rol);
end;
```

Output:

```
Enter value for rol:102
old   2:   rol number(20):=&rol;
new  2:   rol number(20):=102;
Table   Updated!

PL/SQL procedure successfully completed.
```

S_ROLLNO	S_NAME	S_DEPT	RESULT
102	Ram	Comp	Student passed with distinction