Package Example

CODE

Package declaration

```
create or replace package  pack
        as
        function f(r number) return number;
        procedure gradeg(r  number) ;
end;
```

Package body

```
create or replace package body  pack
        as
        function f(r number)
        return number is
        t number;
        s studentf%rowtype;
        begin
        select physics_mark, chemistry_mark ,maths_mark into s.physics_mark, s.chemistry_mark ,
        s.maths_mark from studentf
        where reg_no=r;
        t:=s.physics_mark+s.chemistry_mark+ s.maths_mark;
        return t;
end f;

 procedure gradeg( r in number)
 is
t number;
```

```
total number;
begin
select physics_mark+chemistry_mark+ maths_mark into total from studentf where
reg_no=r;
t:=(total/300)*100;
if t>=80 and t<=100 then
dbms_output.put_line('GRADE A');
elsif t>=70 and t<80 then
dbms_output.put_line('GRADE B');
elsif t>=50 and t<70 then
dbms_output.put_line('GRADE C');
elsif t<50 then
dbms_output.put_line('FAIL');
end if;
end gradeg;
end ;
```

Package call

```
declare
r number;
t number;
begin
r:=&r;
t:=pack.f(r);
dbms_output.put_line('total mark is :' ||t);
 pack.gradeg(r);

end;
```

OUTPUT

```
SQL> @Z:\DBMS\function_proc2.sql;
  6  /

Package created.

SQL> @Z:\DBMS\function_proc.sql;
 40  /

Package body created.

SQL> @Z:\DBMS\function_proc2.sql;
 12  /
Enter value for r: 1
old   5: r:=&r;
new   5: r:=1;
total mark is :180
GRADE C

PL/SQL procedure successfully completed.
```