Package Example

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Package:
CREATE OR REPLACE PACKAGE pack
AS
        FUNCTION tmark(rno NUMBER) RETURN NUMBER;
        PROCEDURE grade(r in NUMBER);
END;
Package Body:
CREATE OR REPLACE PACKAGE BODY pack
AS
        FUNCTION tmark(rno NUMBER)
        RETURN NUMBER AS
               tx number;
               i fstudent%rowtype;
        BEGIN
               SELECT physics mark, chemistry mark, maths mark INTO i.physics mark, i.chemistry mark,
i.maths_mark FROM fstudent WHERE reg_no=rno;
               tx:=i.physics_mark+i.chemistry_mark+i.maths_mark;
               return tx;
        END tmark;
        PROCEDURE grade(r in number)
        IS
               t number;
        BEGIN
               SELECT physics mark+chemistry mark+maths mark INTO t FROM fstudent WHERE
reg_no=r;
               t:=t/150*100;
               dbms_output.put_line('Percentage: '| |t);
               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: B');
                elsif t<50
                then
                         dbms_output.put_line('Grade: Fail');
                end if;
        END grade;
END;
Package call:
DECLARE
        r NUMBER:=&r;
        t NUMBER;
BEGIN
        t:=pack.tmark(r);
        dbms_output.put_line('Total Marks: '||t);
        pack.grade(r);
END;
```

Output: