**Package Example**

**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

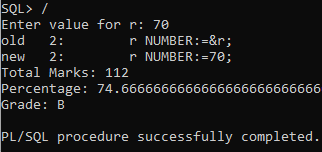
t:=pack.tmark(r);

dbms\_output.put\_line('Total Marks: '||t);

pack.grade(r);

END;

**Output:**

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