**Practical No 5**

**CODE**

**proc.sql :**

create or replace procedure proc\_grade(r IN number,m IN number,gr OUT varchar)

is

begin

if m<=1500 and m>=990 then

gr:='1st class with Distinction';

elsif m<=989 and m>=900 then

gr:='1st class';

elsif m<=899 and m>=825 then

gr:='2nd class';

else

gr:='Fail';

end if;

end;

/

**proc\_call.sql :**

declare

r number;

m number;

gr varchar(50);

nm varchar(50);

begin

r:=&r;

select rollno,name,total\_mark into r,nm,m from student\_mark where rollno=r;

proc\_grade(r,m,gr);

dbms\_output.put\_line(r||' '||m||' '||gr);

end;

/

**result.sql :**

declare

rec student\_mark%rowtype;

gr varchar(50);

begin

for rec in (select \* from student\_mark) loop

dbms\_output.put\_line(rec.rollno||' '||rec.name||' '||rec.total\_mark);

proc\_grade(rec.rollno,rec.total\_mark,gr);

insert into result values(rec.rollno,rec.name,gr);

end loop;

end;

/

**PROCEDURE OUTPUT**

SQL\*Plus: Release 21.0.0.0.0 - Production on Tue Sep 9 06:10:50 2025

Version 21.3.0.0.0

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Enter user-name: system

Enter password:

Last Successful login time: Tue Sep 09 2025 06:06:01 +05:30

Connected to:

Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production

Version 21.3.0.0.0

SQL> create table student\_mark(rollno number,name varchar(50),total\_mark number);

Table created.

SQL> desc student\_mark;

Name Null? Type

----------------------------------------- -------- ----------------------------

ROLLNO NUMBER

NAME VARCHAR2(50)

TOTAL\_MARK NUMBER

SQL> insert into student\_mark values(101,'Raju',1250);

1 row created.

SQL> insert into student\_mark values(102,'Aman',450);

1 row created.

SQL> insert into student\_mark values(103,'Om',1400);

1 row created.

SQL> insert into student\_mark values(104,'Amit',250);

1 row created.

SQL> set serveroutput on;

SQL> @C:\Users\ASUS\Desktop\DBMS\_Practs\PLSQL\proc.sql

Procedure created.

SQL> @C:\Users\ASUS\Desktop\DBMS\_Practs\PLSQL\proc\_call.sql

Enter value for r: 102

old 7: r:=&r;

new 7: r:=102;

102 450 Fail

PL/SQL procedure successfully completed.

SQL> @C:\Users\ASUS\Desktop\DBMS\_Practs\PLSQL\proc\_call.sql

Enter value for r: 101

old 7: r:=&r;

new 7: r:=101;

101 1250 1st class with Distinction

PL/SQL procedure successfully completed.

SQL> create table result(rollno number,name varchar(50),gr varchar(50));

Table created.

SQL> @C:\Users\ASUS\Desktop\DBMS\_Practs\PLSQL\result.sql

101 Raju 1250

102 Aman 450

103 Om 1400

104 Amit 250

PL/SQL procedure successfully completed.