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SQL*Plus: Release 18.0.0.0.0 - Production on Mon Oct 14 09:37:40 2024
Version 18.4.0.0.0

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Enter user-name: system
Enter password:

Last Successful login time: Mon Oct 14 2024 09:13:40 +05:30
Connected to:

Oracle Database 18c Express Edition Release 18.0.0.0.0 - Production
Version 18.4.0.0.0

Tables : 1. Stud_Marks(Roll, Name, Total_marks)  2. Result(Roll, Name, Class)

Create table Stud_Marks (Roll number Primary Key, Name Varchar2(10), Total_marks
number);

Create table Result (Roll number references Stud_Marks(Roll), Name Varchar2(10),
Class Varchar2(20));
2.Insert data
insert into Stud_Marks Values ( 1, 'Ajay', 1100 );
insert into Stud_Marks Values ( 2, 'Ramesh', 950);
insert into Stud_Marks Values ( 3, 'Umesh', 850);
insert into Stud_Marks Values ( 4, 'Suresh', 400);


SQL> select * from stud_marks;

      ROLL NAME        TOTAL_MARKS
---------- ---------- -----------
         1 Ajay              1100
         2 Ramesh             950
         3 Umesh              850
         4 Suresh             400


SQL> select * from result;

no rows selected

PL/SQL procedure

SQL> edit proc1.sql

create or replace procedure proc_grade(rno in stud_marks.roll%type, name1 in
stud_marks.name%type) is
  totmarks stud_marks.total_marks%type;
  grade varchar2(15);
```

```
  begin
  select total_marks into totmarks from stud_marks where roll=rno and name=name1;
  if(totmarks between 825 and 899) then
    grade:='secondclass';
    insert into result values(rno,name1,grade);
    elsif(totmarks between 900 and 989) then
      grade:='Firstclass';
      insert into result values(rno,name1,grade);
    elsif(totmarks between 990 and 1500)then
       grade:='Distinction';
       insert into result values(rno,name1,grade);
    else
       dbms_output.put_line('Fail');
    end if;
    end proc_grade;
/

SQL> @proc1

Procedure created.

PL/SQL code block to call procedure

SQL> edit p1.sql

declare
    result varchar2(15);
    totmarks number;
    begin
    proc_grade(1,'Ajay');
    end;
/

SQL> @p1

PL/SQL procedure successfully completed.

SQL> select * from result;

      ROLL NAME       CLASS
---------- ---------- --------------------
         1 Ajay       Distinction
```