

NAME: ANSHUL AHER
BATCH: P
ROLL NO: 10
PRN NO: F21113010
ASSIGNMENT NO: A-06
ASSIGNMENT TITLE: Named PL/SQL Block: PL/SQL Stored Procedure and Stored Function.

SQL*Plus: Release 19.0.0.0.0 - Production on Wed Nov 1 07:04:36 2023
Version 19.3.0.0.0

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Enter user-name: sys as sysdba
Enter password:

Connected to:
Oracle Database 19c Enterprise Edition Release 19.0.0.0.0 - Production
Version 19.3.0.0.0

SQL> create table Stud_Marks(roll_no number,name varchar(20),total_marks number);

Table created.

SQL> create table Result(roll_no int primary key,name varchar(20),Class varchar(20));

Table created.

SQL> insert into Stud_Marks values (1,'Anshul',1400);

1 row created.

SQL> insert into Stud_Marks values (2,'Azhar',1000);

1 row created.

SQL> insert into Stud_Marks values (3,'Amaan',850);

1 row created.

SQL> insert into Stud_Marks values (4,'Ishaan',969);

1 row created.

SQL> insert into Stud_Marks values (5,'Aditya',888);

1 row created.

SQL> insert into Stud_Marks values (6,'Atharva',1100);

1 row created.

SQL> insert into Stud_Marks values (7,'Yash',845);

1 row created.

```
SQL> insert into Stud_Marks values (8,'Abhi',600);
```

1 row created.

```
SQL> select * from Stud_Marks;
```

ROLL_NO	NAME	TOTAL_MARKS
1	Anshul	1400
2	Azhar	1000
3	Amaan	850
4	Ishaan	969
5	Aditya	888
6	Atharva	1100
7	Yash	845
8	Abhi	600

8 rows selected.

```
SQL> create or replace PROCEDURE proc_grade
  2  (var_rollno IN number, p_rollno out Stud_Marks.roll_no%type, p_name
out Stud_Marks.name%type, p_totalmarks out Stud_Marks.total_marks%type)
AS
  3  BEGIN
  4  SELECT roll_no,name,total_marks into p_rollno,p_name,p_totalmarks
FROM Stud_Marks where roll_no=var_rollno;
  5  IF p_totalmarks <=1500 AND p_totalmarks >=990 THEN
  6  INSERT INTO Result VALUES (p_rollno,p_name,'Distinction');
  7  ELSE IF p_totalmarks <=989 AND p_totalmarks >=900 THEN
  8  INSERT INTO Result VALUES (p_rollno,p_name,'First Class');
  9  ELSE IF p_totalmarks <=899 AND p_totalmarks >=825 THEN
10  INSERT INTO Result VALUES (p_rollno,p_name,'Higher Second Class');
11  ELSE
12  INSERT INTO Result VALUES (p_rollno,p_name,'Fail');
13  END IF;
14  END IF;
15  END IF;
16  EXCEPTION
17  WHEN no_data_found then
18  dbms_output.put_line('Roll no'||var_rollno||'not found');
19  END;
20  /
```

Procedure created.

```
SQL> declare
  2  var_roll number;
  3  p_rollno Stud_Marks.roll_no%type;
  4  p_name Stud_Marks.name%type;
  5  p_totalmarks Stud_Marks.total_marks%type;
  6  Begin
  7  var_roll:=&var_roll;
  8  proc_grade(var_roll,p_rollno, p_name, p_totalmarks );
  9  end;
10  /
```

```
Enter value for var_roll: 1
old   7: var_roll:=&var_roll;
new   7: var_roll:=1;
```

PL/SQL procedure successfully completed.

```
SQL> declare
  2 var_roll number;
  3 p_rollno Stud_Marks.roll_no%type;
  4 p_name Stud_Marks.name%type;
  5 p_totalmarks Stud_Marks.total_marks%type;
  6 Begin
  7 var_roll:=&var_roll;
  8 proc_grade(var_roll,p_rollno, p_name, p_totalmarks );
  9 end;
 10 /
Enter value for var_roll: 4
old 7: var_roll:=&var_roll;
new 7: var_roll:=4;
```

PL/SQL procedure successfully completed.

```
SQL> declare
  2 var_roll number;
  3 p_rollno Stud_Marks.roll_no%type;
  4 p_name Stud_Marks.name%type;
  5 p_totalmarks Stud_Marks.total_marks%type;
  6 Begin
  7 var_roll:=&var_roll;
  8 proc_grade(var_roll,p_rollno, p_name, p_totalmarks );
  9 end;
 10 /
Enter value for var_roll: 3
old 7: var_roll:=&var_roll;
new 7: var_roll:=3;
```

PL/SQL procedure successfully completed.

```
SQL> declare
  2 var_roll number;
  3 p_rollno Stud_Marks.roll_no%type;
  4 p_name Stud_Marks.name%type;
  5 p_totalmarks Stud_Marks.total_marks%type;
  6 Begin
  7 var_roll:=&var_roll;
  8 proc_grade(var_roll,p_rollno, p_name, p_totalmarks );
  9 end;
 10 /
Enter value for var_roll: 8
old 7: var_roll:=&var_roll;
new 7: var_roll:=8;
```

PL/SQL procedure successfully completed.

```
SQL> select * from Result;
```

ROLL_NO	NAME	CLASS
1	Anshul	Distinction
4	Ishaan	First Class
3	Amaan	Higher Second Class
8	Abhi	Fail

```
SQL>
```