❖ **ASSIGNMENT NO: 5**

Aim : PL/SQL stored procedure and store function. Write a stored procedures namely proc_grade from the categorization of student.

If marks scored by students in examination is<=1500 and marks>=990 then student will be placed in distinction category.

If marks scored are between 989 and 900 category is first class.

If marks scored are between 899 and 825 category is higher second class.

Write PL/SQL block for using procedure created with above requirements.

Studmarks(name,total_marks)

Result(roll_no,name,class)

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SQL> connect

Enter user-name: System

Enter password:

Connected.

SQL> create table stud(name varchar2(20),total_marks number(10));

Table created.

SQL> create table results(roll_no number(5),name varchar2(25),class varchar2(15));

Table created.

SQL> create or replace procedure proc_grade(rno number,name varchar2,marks number) 2

is

3   class varchar2(20);

4   begin

5   if(marks<=1500 and marks>990)then

```
6    class:='Distinction';

7    elsif(marks<=989 and marks>=900)then

8    class:='First';

9    elsif(marks<=899 and marks>=825)then

10   class:='Higher Second';

11   end if;

12   insert into stud values(name,marks);

13   insert into results values(rno,name,class);

14   end;

15   /
```

Procedure created.

SQL> exec proc_grade(1,'Jay',1000);

PL/SQL procedure successfully completed.

SQL> select*from stud;

```
NAME           TOTAL_MARKS

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Jay            1000
```

SQL> select*from results;

```
ROLL_NO   NAME            CLASS

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

   1       Jay            Distinction
```

SQL> exec proc_grade(2,'Sham',850);

PL/SQL procedure successfully completed.

SQL> select*from stud;

```
NAME           TOTAL_MARKS

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```

Jay   1000

Sham   850

SQL> select*from results;

ROLL_NO   NAME   CLASS

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        1   Jay   Distinction

        2   Sham   Higher Second

SQL> exec proc_grade(3,'Rohit',972);

PL/SQL procedure successfully completed.

SQL> select*from stud;

NAME   TOTAL_MARKS

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Jay   1000

Sham   850

Rohit   972

SQL> select*from results;

ROLL_NO   NAME   CLASS

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

1   Jay   Distinction

2   Sham   Higher Second

3   Rohit   First

SQL> exec proc_grade(4,'Vivek',1100);

PL/SQL procedure successfully completed.

SQL> select*from stud;

NAME   TOTAL_MARKS

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

```
Jay            1000

Sham            850

Rohit           972

Vivek          1100

SQL> select*from results;

ROLL_NO    NAME              CLASS

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1              Jay           Distinction

2              Sham              Higher Second

3              Rohit         First

4              Vivek         Distinction

SQL> exec proc_grade(5,'Pranav',912);

PL/SQL procedure successfully completed.

SQL> select*from stud;

NAME          TOTAL_MARKS

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

Jay            1000

Sham            850

Rohit           972

Vivek          1100

Pranav          912

SQL> select*from results;

ROLL_NO    NAME              CLASS

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1              Jay           Distinction

2              Sham              Higher Second
```

| | 3 | Rohit | First |

| | 4 | Vivek | Distinction |

| | 5 | Pranav | First |

SQL> exec proc_grade(6,'Omkar',838);

PL/SQL procedure successfully completed.

SQL> select*from stud;

NAME	TOTAL_MARKS
Jay	1000
Sham	850
Rohit	972
Vivek	1100
Pranav	912
Omkar	838

6 rows selected.

SQL> select*from results;

ROLL_NO	NAME	CLASS
1	Jay	Distinction
2	Sham	Higher Second
3	Rohit	First
4	Vivek	Distinction
5	Pranav	First 6 Omkar Higher Second
6	rows selected.	