ASSIGNMENT NO 5

Write a stored function namely proc\_Grade for the categorization of student . If marks scored by student 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 the first class,if marks 899 and 825 category is higher second class.

SQL> create table marks(roll\_no int primary key,name varchar(20),total\_marks int);

Table created.

SQL> create table stud\_result(roll\_no int,classvarchar(20),foreignkey(roll\_no)references marks(roll\_no));

Table created.

SQL> insert into marks values(101,'Sunidhi',979);

1 row created.

SQL> insert into marks values(102,'Rajendra',1000);

1 row created.

SQL> insert into marks values(103,'Jack',770);

1 row created.

SQL> insert into marks values(104,'Sakshi',825);

SQL> insert into marks values(105,'Sakshi',900);

1 row created.

SQL> create or replace procedure get\_class(v\_roll\_no in int)

2 as

3 v\_total\_marks int;

4 v\_class varchar(20);

5 begin

6 select total\_marks into v\_total\_marks from marks where roll\_no=v\_roll\_no;

7 if v\_total\_marks>=900 and v\_total\_marks<=1500 then

8 v\_class:='DISTINCTION';

9 elsif v\_total\_marks>=900 and v\_total\_marks<=989 then

10 v\_class:='First class';

11 elsif v\_total\_marks>=825 and v\_total\_marks<=899 then

12 v\_class:='Higher Second Class';

13 else v\_class:='NOT RECOGORIZED';

14 end if;

15 insert into stud\_result values(v\_roll\_no,v\_class);

16 end;

17 /

Procedure created.

SQL> begin

2 get\_class(101);

3 get\_class(102);

4 get\_class(103);

5 get\_class(104);

6 end;

7 /

PL/SQL procedure successfully completed.

SQL> select \* from stud\_result;

ROLL\_NO CLASS

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101 DISTINCTION

102 DISTINCTION

103 NOT RECOGORIZED

104 Higher Second Class

SQL>