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**Assignment:- 07**

SQL> CREATE TABLE Stud\_Marks1 (

Roll NUMBER PRIMARY KEY,

Name VARCHAR2(100),

Total\_marks NUMBER

);

Table created.

SQL> CREATE TABLE Result1 (

Roll NUMBER PRIMARY KEY,

Name VARCHAR2(100),

Class VARCHAR2(50)

);

Table created.

SQL> INSERT INTO Stud\_Marks1 VALUES (1, 'Alice', 1020);

1 row created.

SQL> INSERT INTO Stud\_Marks1 VALUES (2, 'Bob', 850);

1 row created.

SQL> INSERT INTO Stud\_Marks1 VALUES (3, 'Charlie', 920);

1 row created.

SQL> INSERT INTO Stud\_Marks1 VALUES (4, 'Diana', 780);

1 row created.

SQL> COMMIT;

SQL> CREATE OR REPLACE FUNCTION get\_class (

p\_marks IN NUMBER

) RETURN VARCHAR2 IS

BEGIN

RETURN CASE

WHEN p\_marks >= 990 AND p\_marks <= 1500 THEN 'Distinction'

WHEN p\_marks >= 900 AND p\_marks <= 989 THEN 'First Class'

WHEN p\_marks >= 825 AND p\_marks <= 899 THEN 'Higher Second Class'

ELSE 'Not Categorized'

END;

END get\_class;

SQL> BEGIN

proc\_Grade;

DBMS\_OUTPUT.PUT\_LINE('Student categorization completed successfully.');

END;

SQL> SELECT \* FROM Result1;

no rows selected