

DBMS Practical 5 Program Code for Oracle10g:

```
-- Create tables
CREATE TABLE stud_marks (
    name      VARCHAR2(25),
    total_marks NUMBER
);

CREATE TABLE result (
    roll      NUMBER,
    name      VARCHAR2(25),
    class     VARCHAR2(30)
);

CREATE OR REPLACE PROCEDURE proc_Grade (
    r      IN NUMBER,
    n      IN VARCHAR2,
    m      IN NUMBER,
    grade OUT VARCHAR2
) AS
BEGIN
    IF m BETWEEN 990 AND 1500 THEN
        grade := 'Distinction';
    ELSIF m BETWEEN 900 AND 989 THEN
        grade := 'First Class';
    ELSIF m BETWEEN 825 AND 899 THEN
        grade := 'Higher Second Class';
    ELSE
        grade := 'Fail';
    END IF;

    -- Insert into tables
    INSERT INTO stud_marks VALUES (n, m);
    INSERT INTO result VALUES (r, n, grade);
END;
/

CREATE OR REPLACE FUNCTION func_Grade (
    r IN NUMBER,
    n IN VARCHAR2,
    m IN NUMBER
) RETURN VARCHAR2 AS
    grade VARCHAR2(30);
BEGIN
    proc_Grade(r, n, m, grade);
    RETURN grade;
END;
```

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```
DECLARE
    v_roll NUMBER := 102;
    v_name VARCHAR2(25) := 'Sai';
    v_marks NUMBER := 880;
    v_grade VARCHAR2(30);
BEGIN
    v_grade := func_Grade(v_roll, v_name, v_marks);
    DBMS_OUTPUT.PUT_LINE('Function returned grade: ' || v_grade);
    COMMIT;
END;
/
```

```
SELECT * FROM stud_marks;
```

```
SELECT * FROM result;
```