

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;
```

/

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;