DBMS Practical Assignment 7

CREATE TABLE student1 (

rollno NUMBER PRIMARY KEY,

name VARCHAR2(50),

attendance NUMBER(5,2),

status CHAR(2)

);

INSERT INTO student1 (rollno, name, attendance, status) VALUES (1, 'krt', 80.5, NULL);

INSERT INTO student1 (rollno, name, attendance, status) VALUES (2, 'isha', 70.0, NULL);

INSERT INTO student1 (rollno, name, attendance, status) VALUES (3, 'shraddha', 74.9, NULL);

INSERT INTO student1 (rollno, name, attendance, status) VALUES (4, 'aditi', 90.0, NULL);

// PL/SQL CODE

-- First, define the bind variable

VARIABLE Enter\_Roll\_Number NUMBER;

EXEC :Enter\_Roll\_Number := 2; -- set the desired roll number

-- Now, the PL/SQL block

DECLARE

v\_rollno student1.rollno%TYPE;

v\_attendance student1.attendance%TYPE;

v\_status student1.status%TYPE;

BEGIN

v\_rollno := :Enter\_Roll\_Number;

SELECT attendance

INTO v\_attendance

FROM student1

WHERE rollno = v\_rollno;

IF v\_attendance < 75 THEN

v\_status := 'D';

DBMS\_OUTPUT.PUT\_LINE('Term not granted');

ELSE

v\_status := 'ND';

DBMS\_OUTPUT.PUT\_LINE('Term granted');

END IF;

UPDATE student1

SET status = v\_status

WHERE rollno = v\_rollno;

COMMIT; -- optional, if needed

EXCEPTION

WHEN NO\_DATA\_FOUND THEN

DBMS\_OUTPUT.PUT\_LINE('Error: Roll number not found.');

WHEN TOO\_MANY\_ROWS THEN

DBMS\_OUTPUT.PUT\_LINE('Error: Multiple entries found for roll number.');

WHEN OTHERS THEN

DBMS\_OUTPUT.PUT\_LINE('Unexpected error: ' || SQLERRM);

END;

/

select \* from student1;