**NAME: JEEVITHA.S-192324020**

**DATA BASE MANAGEMENT SYSTEM FOR WEB APPLICATION(CSA0555)**

**ASSIGNMENT- 21 USER DEFINED CURSOR**

**CREATE TABLE STUDENT**

CREATE TABLE stu (

student\_id NUMBER PRIMARY KEY,

student\_name VARCHAR2(50),

class VARCHAR2(10)

);

**INSERT VALUES**

INSERT INTO stu VALUES (1, 'Jeevi', '12th Grade');

INSERT INTO stu VALUES (2, 'Jai', '11th Grade');

INSERT INTO stu VALUES (3, 'surya', '10th Grade');

**CREATE TABLE SUBJECT**

CREATE TABLE marks (

student\_id NUMBER,

subject\_id NUMBER,

marks NUMBER

);

**INSERT VALUES**

INSERT INTO subjects VALUES (1, 'Mathematics');

INSERT INTO subjects VALUES (2, 'Science');

INSERT INTO subjects VALUES (3, 'English');

**CREATE TABLE MARKS**

CREATE TABLE marks (

student\_id NUMBER,

subject\_id NUMBER,

marks NUMBER,

);

**INSER VALUES**

INSERT INTO marks VALUES (1, 1, 85);

INSERT INTO marks VALUES (2, 2, 95);

INSERT INTO marks VALUES (3, 3, 75);

**CODE**

DECLARE

CURSOR student\_marks\_cursor IS

SELECT

s.student\_id,

s.student\_name,

sub.subject\_name,

m.marks

FROM

stud s

JOIN

marks m ON s.student\_id = m.student\_id

JOIN

subjects sub ON m.subject\_id = sub.subject\_id;

TYPE marks\_table\_type IS TABLE OF student\_marks\_cursor%ROWTYPE;

student\_marks\_table marks\_table\_type;

BEGIN

OPEN student\_marks\_cursor;

FETCH student\_marks\_cursor BULK COLLECT INTO student\_marks\_table;

CLOSE student\_marks\_cursor;

FOR i IN 1..student\_marks\_table.COUNT LOOP

DBMS\_OUTPUT.PUT\_LINE('Student ID: ' || student\_marks\_table(i).student\_id ||

', Name: ' || student\_marks\_table(i).student\_name ||

', Subject: ' || student\_marks\_table(i).subject\_name ||

', Marks: ' || student\_marks\_table(i).marks);

END LOOP;

END;

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**OUTPUT TABLE**

