1. Create the table students\_mark with required columns and insert 10 records.

CREATE TABLE students\_mark (

student\_id NUMBER(5) PRIMARY KEY,

student\_name VARCHAR2(50),

dept VARCHAR2(30),

phone\_number VARCHAR2(15),

email\_id VARCHAR2(50),

mark NUMBER(3)

);

Table Created.

INSERT INTO students\_mark VALUES (101, 'Ravi Kumar', 'CSE', '9876543210', 'ravi@xyz.com', 85);

Query Ok.

INSERT INTO students\_mark VALUES (102, 'Anitha Raj', 'ECE', '9123456789', 'anitha@xyz.com', 78);

Query Ok.

INSERT INTO students\_mark VALUES (103, 'Mohan Das', 'EEE', '9234567890', 'mohan@xyz.com', 90);

Query Ok.

INSERT INTO students\_mark VALUES (104, 'Divya Sharma', 'IT', '9345678901', 'divya@xyz.com', 76);

Query Ok.

INSERT INTO students\_mark VALUES (105, 'Ajay Mehta', 'MECH', '9456789012', 'ajay@xyz.com', 88);

Query Ok.

INSERT INTO students\_mark VALUES (106, 'Neha Reddy', 'CSE', '9567890123', 'neha@xyz.com', 92);

Query Ok.

INSERT INTO students\_mark VALUES (107, 'Ramesh Patel', 'CIVIL', '9678901234', 'ramesh@xyz.com', 80);

Query Ok.

INSERT INTO students\_mark VALUES (108, 'Priya Nair', 'EEE', '9789012345', 'priya@xyz.com', 89);

Query Ok.

INSERT INTO students\_mark VALUES (109, 'Sanjay Gupta', 'IT', '9890123456', 'sanjay@xyz.com', 74);

Query Ok.

INSERT INTO students\_mark VALUES (110, 'Kavya Singh', 'CSE', '9901234567', 'kavya@xyz.com', 95);

Query Ok.

SELECT \* FROM students\_mark;

2. Procedure to retrieve student’s name using student ID

CREATE OR REPLACE PROCEDURE get\_student\_name(p\_student\_id IN NUMBER) IS

v\_name students\_mark.student\_name%TYPE;

BEGIN

SELECT student\_name INTO v\_name FROM students\_mark WHERE student\_id = p\_student\_id;

DBMS\_OUTPUT.PUT\_LINE('Student Name: ' || v\_name);

END;

/

EXEC get\_student\_name(103);

3. Procedure to display student’s mark along with internal mark of 20

CREATE OR REPLACE PROCEDURE get\_student\_mark(p\_student\_id IN NUMBER) IS

v\_mark students\_mark.mark%TYPE;

v\_total\_mark NUMBER;

BEGIN

SELECT mark INTO v\_mark FROM students\_mark WHERE student\_id = p\_student\_id;

v\_total\_mark := v\_mark + 20;

DBMS\_OUTPUT.PUT\_LINE('Mark: ' || v\_mark || ' | Total (Including Internal): ' || v\_total\_mark);

END;

/

EXEC get\_student\_mark(105);

4. Procedure to display email ID 5 times using a WHILE loop

CREATE OR REPLACE PROCEDURE repeat\_email(p\_student\_name IN VARCHAR2) IS

v\_email students\_mark.email\_id%TYPE;

i NUMBER := 1;

BEGIN

SELECT email\_id INTO v\_email FROM students\_mark WHERE student\_name = p\_student\_name;

WHILE i <= 5 LOOP

DBMS\_OUTPUT.PUT\_LINE('Email: ' || v\_email);

i := i + 1;

END LOOP;

END;

/

EXEC repeat\_email('Neha Reddy');

5. Procedure to display student’s name 10 times using a basic LOOP

CREATE OR REPLACE PROCEDURE repeat\_name(p\_phone\_number IN VARCHAR2) IS

v\_name students\_mark.student\_name%TYPE;

i NUMBER := 1;

BEGIN

SELECT student\_name INTO v\_name FROM students\_mark WHERE phone\_number = p\_phone\_number;

LOOP

EXIT WHEN i > 10;

DBMS\_OUTPUT.PUT\_LINE('Student Name: ' || v\_name);

i := i + 1;

END LOOP;

END;

/

EXEC repeat\_name('9890123456');

**OUTPUT :**

### 1. Table: students\_mark

| **Student ID** | **Student Name** | **Dept** | **Phone Number** | **Email ID** | **Mark** |
| --- | --- | --- | --- | --- | --- |
| 101 | Ravi Kumar | CSE | 9876543210 | ravi@xyz.com | 85 |
| 102 | Anitha Raj | ECE | 9123456789 | anitha@xyz.com | 78 |
| 103 | Mohan Das | EEE | 9234567890 | mohan@xyz.com | 90 |
| 104 | Divya Sharma | IT | 9345678901 | divya@xyz.com | 76 |
| 105 | Ajay Mehta | MECH | 9456789012 | ajay@xyz.com | 88 |
| 106 | Neha Reddy | CSE | 9567890123 | neha@xyz.com | 92 |
| 107 | Ramesh Patel | CIVIL | 9678901234 | ramesh@xyz.com | 80 |
| 108 | Priya Nair | EEE | 9789012345 | priya@xyz.com | 89 |
| 109 | Sanjay Gupta | IT | 9890123456 | sanjay@xyz.com | 74 |
| 110 | Kavya Singh | CSE | 9901234567 | kavya@xyz.com | 95 |

2. Student Name: Mohan Das

3. Mark: 88 | Total (Including Internal): 108

4.

Email: neha@xyz.com

Email: neha@xyz.com

Email: neha@xyz.com

Email: neha@xyz.com

Email: [neha@xyz.com](mailto:neha@xyz.com)

5.

Student Name: Sanjay Gupta

Student Name: Sanjay Gupta

Student Name: Sanjay Gupta

Student Name: Sanjay Gupta

Student Name: Sanjay Gupta

Student Name: Sanjay Gupta

Student Name: Sanjay Gupta

Student Name: Sanjay Gupta

Student Name: Sanjay Gupta

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