

**Ahsanullah University of Science and Technology (AUST)**

Department of Computer Science and Engineering

**Offline 2**

Course No.: CSE4126

Course Title: Distributed Database Systems Lab

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**Question 1: Search the students who are studying in ME and their level is 2. If there are no students in the given major and level, it displays an error message. Otherwise, it loops through the students and displays their names.**

**Solution:**

set serveroutput on;

DECLARE

  v\_major CHAR(3);

  v\_slevel CHAR(1);

  v\_count INT;

  v\_sname VARCHAR2(30);

BEGIN

**-- Set the values for the major and student level**

  v\_major := 'ME';

  v\_slevel := '2';

**-- Select all students in the given major and level**

  SELECT COUNT(\*) INTO v\_count

  FROM STUDENT

  WHERE major = v\_major AND slevel = v\_slevel;

**-- If there are no students in the given major and level,**

**-- then display an error message**

  IF v\_count = 0 THEN

    DBMS\_OUTPUT.PUT\_LINE('There are no students in the given major and level');

  ELSE

**-- Otherwise, loop through the students and display their names**

    FOR i IN (SELECT sname FROM STUDENT WHERE major = v\_major AND slevel = v\_slevel) LOOP

      v\_sname := i.sname;

      DBMS\_OUTPUT.PUT\_LINE('Student name: ' || v\_sname);

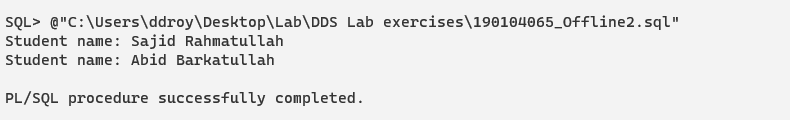
    END LOOP;

  END IF;

END;

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**Output:**

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