

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

Department of Computer Science and Engineering

Course No: CSE4126

Course Title: Distributed Database Systems Lab

**Assignment No: 01**

Question 1: Find the students older than 19 who has Drawing Classes.

Question 2: Find the average age of students whose major is ME.

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Section: A1

**Question 1: Find the students older than 19 who has Drawing Classes.**

**Part A (without PL/SQL):**

SELECT SNAME FROM STUDENT WHERE AGE>19 AND SNUM IN (SELECT SNUM FROM ENROLLED WHERE CNUM= (SELECT CNUM FROM COURSE WHERE CNAME='Drawing'));

**Part B (with PL/SQL):**

SET SERVEROUTPUT ON;

DECLARE

STATEMENT1 VARCHAR2(50);

BEGIN

STATEMENT1 := 'STUDENTS OLDER THAN 19 WHO TOOK DRAWING:'; DBMS\_OUTPUT.PUT\_LINE(STATEMENT1);

FOR I IN (SELECT SNAME FROM STUDENT WHERE AGE>19 AND STUDENT.SNUM IN

(SELECT SNUM FROM ENROLLED WHERE CNUM=3))

LOOP

DBMS\_OUTPUT.PUT\_LINE(I.SNAME);

END LOOP;

END;

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**Question 2: Find the average age of students whose major is ME.**

**Part A (without PL/SQL):**

SELECT AVG(AGE) FROM STUDENT WHERE MAJOR=’ME’;

**Part B (with PL/SQL):**

SET SERVEROUTPUT ON;

DECLARE

K DECIMAL(5,3); STRNG VARCHAR2(50);

BEGIN

STRNG := 'AVERAGE AGE OF STUDENTS WITH ME MAJOR=';

SELECT AVG(AGE) INTO K FROM STUDENT WHERE MAJOR='ME';

DBMS\_OUTPUT.PUT\_LINE(STRNG); DBMS\_OUTPUT.PUT\_LINE(K);

END;

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