



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;

/
```

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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```