



Ahsanullah University of Science and Technology (AUST)

Department of Computer Science and Engineering

Course No: CSE4126

Course Title: Distributed Database Systems Lab

Assignment Number: 01

Question: Find the name of the faculty member who are the faculty of the course which is conducted in room “R126” for the students whose level is "1", whose major subject is “ME” and whose age is “19”?

Part A: For the given schema, perform the query without PL/SQL anonymous block.

Part B: For the given schema, perform the query in a PL/SQL anonymous block.

Name: Devopriya Tirtho

ID: 16.02.03.033

Section: A2

Solution to Part A:

Query:

```
select fName from FACULTY
where Fid = (select Fid from COURSE
where room = 'R126' AND cnum IN (select cnum from ENROLLED
where snum = (select snum from STUDENT
where slevel='1' AND major='ME' AND age=19))));
```

Output:

```
SQL> @"E:\4.1 semester\Distributed Database Systems Lab\Codes\Codes\null.sql";

FNAME
-----
Shariful Islam
```

Solution to Part B:

Query:

```
SET SERVEROUTPUT ON;
```

```
DECLARE
```

```
    f_name FACULTY.fName %TYPE;
```

```
BEGIN
```

```
    select fName
    into f_name
    from FACULTY
    where Fid = (select Fid from COURSE
    where room = 'R126' AND cnum IN (select cnum from ENROLLED
    where snum = (select snum from STUDENT
    where slevel='1' AND major='ME' AND age=19))));
```

```
DBMS_OUTPUT.PUT_LINE(f_name);
```

```
END;
```

```
/
```

Output:

```
SQL> @"E:\4.1 semester\Distributed Database Systems Lab\Codes\Codes\partb.sql";  
Shariful Islam
```

```
PL/SQL procedure successfully completed.
```