Student Name: Muthu Palaniappan M
Roll Number: 21110142

Database Management System Lab
Assignment: DML (Select Clause)

SHIV NADAR
—UNIVERSITY—
CHENNAI

Question 1

```
1  -- Get the RollNo, Name of all the women students in the DeptNo 5.
2
3  select Rollno,student_name from student where sex = 'F' and dept_no = 5;
```

Output

	Rollno	student_name
▶	21110146	Sreeja
	21110150	Vaishali

Question 2

```
1  -- Get the EmpId, Name and PhoneNo of professors in the CSE dept (DeptNo = 3) who have
       joined after 1999
2
3  select EmpID,emp_name,phone_number from professor where dept_no = 3 and start_year >
       1999;
```

Output

	EmpID	emp_name	phone_number
▶	101	Dhivya S	68686699
	103	Dr.Venugopal P	99086699

Question 3

```
1  -- Get the RollNo, Name of students in the CSE dept (DeptNo = 3) along with their
       advisors name and PhoneNo
2
3  select a.Rollno,a.student_name,a.advisor,b.phone_number from student a inner join
       professor b on a.dept_no = b.dept_no where a.dept_no = 3;
```

Output

Rollno	student_name	advisor	phone_number
21110141	Trisha Balakrishnan	DR.KBS	68686699
21110142	Muthu Palaniappan M	Dr.SN	68686699
21110143	Raveesh	Dr.SN	68686699
21110144	Samyuktha	Dr.SN	68686699

Question 4

```
1  -- Get the Names, EmpIds, PhoneNos of the professors in the CSE dept who joined before
       1995
2
3  select EmpID,emp_name,phone_number from professor where dept_no = 3 and start_year <
       1995;
```

Output

EmpID	emp_name	phone_number
110	Dr.Barath Vignesh	90086699

Nested Query 1

```
1  -- Get the RollNo, Name of the students who have a lady professor as their advisor
2
3  select Rollno, student_name from student where advisor in (select emp_name from professor
       where sex='F');
```

Output

Rollno	student_name
21110159	Shreya Sevelar

Nested Query 2

```
1  -- Get the EmpId, Name of the senior-most professor.
2
3  select emp_name,EmpID from professor where start_year = (select max(start_year) from
       professor);
```

Output

	emp_name	EmpID
▶	Dhivya S	101