

AIM:-

To execute the Nested Queries.

CREATING THE TABLE:-

```
SQL> create table students(rollno number(10) primary key, sname varchar(15), stmaths  
number(3), stenglish number(3));
```

Table created.

INSERTING VALUES TO THE TABLE:-

```
SQL> insert into students values(&rollno, '&sname', &stmaths, &stenglish);
```

Enter value for rollno: 101

Enter value for sname: Mithun

Enter value for stmaths: 85

Enter value for stenglish: 90

```
old 1: insert into students values(&rollno, '&sname', &stmaths, &stenglish)
```

```
new 1: insert into students values(101, 'Mithun', 85, 90)
```

1 row created.

```
SQL> insert into students values(&rollno, '&sname', &stmaths, &stenglish);
```

Enter value for rollno: 102

Enter value for sname: Hemanth

Enter value for stmaths: 75

Enter value for stenglish: 68

```
old 1: insert into students values(&rollno, '&sname', &stmaths, &stenglish)
```

```
new 1: insert into students values(102, 'Hemanth', 75, 68)
```

1 row created.

```
SQL> insert into students values(&rollno,&stname,&stmaths,&stenglish);
```

Enter value for rollno: 103

Enter value for stname: Dhoni

Enter value for stmaths: 85

Enter value for stenglish: 75

```
old 1: insert into students values(&rollno,&stname,&stmaths,&stenglish)
```

```
new 1: insert into students values(103,'Dhoni',85,75)
```

1 row created.

```
SQL> insert into students values(&rollno,&stname,&stmaths,&stenglish);
```

Enter value for rollno: 104

Enter value for stname: Jeevan

Enter value for stmaths: 68

Enter value for stenglish: 70

```
old 1: insert into students values(&rollno,&stname,&stmaths,&stenglish)
```

```
new 1: insert into students values(104,'Jeevan',68,70)
```

1 row created.

```
SQL> insert into students values(&rollno,&stname,&stmaths,&stenglish);
```

Enter value for rollno: 105

Enter value for stname: Swatee

Enter value for stmaths: 80

Enter value for stenglish: 55

```
old 1: insert into students values(&rollno,&stname,&stmaths,&stenglish)
```

```
new 1: insert into students values(105,'Swatee',80,55)
```

1 row created.

SQL> select * from students;

ROLLNO	STNAME	STMATHS	STENGLISH
101	Mithun	85	90
102	Hemanth	75	68
103	Dhoni	85	75
104	Jeevan	68	70
105	Swatee	80	55

INDEPENDENT SUB-QUERY:-

SQL> select rollno,stname from students where rollno in (select rollno from students where stmaths>80);

ROLLNO	STNAME
101	Mithun
103	Dhoni

SQL> select rollno,stname from students where rollno in (select rollno from students where stenglish<70);

ROLLNO	STNAME
102	Hemanth
105	Swatee

SQL> select stname,stmaths,stenglish from students where rollno in (select rollno from students where rollno>103);

STNAME	STMATHS	STENGLISH

Jeevan	68	70
Swatee	80	55

SQL> select rollno, stname, stmaths from students where rollno in (select rollno from students where stenglish<80);

ROLLNO	STNAME	STMATHS

102	Hemanth	75
103	Dhoni	85
104	Jeevan	68
105	Swatee	80

SQL> select rollno, stname, stenglish from students where rollno in (select rollno from students where stmaths>75);

ROLLNO	STNAME	STENGLISH

101	Mithun	90
103	Dhoni	75
105	Swatee	55

CO-RELATED SUB-QUERY:-

SQL> select stname from students o where stmaths=(select stmaths from students I where o.rollno=I.rollno and stmaths>75);

STNAME

Mithun

Dhoni

Swatee

SQL> select rollno, stname, stmaths from students o where stenglish=(select stenglish from students I where o.rollno=I.rollno and stenglish>70);

ROLLNO	STNAME	STMATHS
-----	-----	-----
101	Mithun	85
103	Dhoni	85

SQL> select stname, stmaths, stenglish from students o where rollno=(select rollno from students I where o.rollno=I.rollno and rollno>103);

STNAME	STMATHS	STENGLISH
-----	-----	-----
Jeevan	68	70
Swatee	80	55

SQL> select rollno, stname, stenglish from students o where stmaths=(select stmaths from students I where o.rollno=I.rollno and stmaths>75);

ROLLNO	STNAME	STENGLISH
-----	-----	-----
101	Mithun	90
103	Dhoni	75
105	Swatee	55

SQL> select rollno, stname, stmaths from students o where stenglish=(select stenglish from students I where o.rollno=I.rollno and stenglish<80);

ROLLNO STNAME STMATHS

```
-----
102Hemanth      75
103 Dhoni       85
104 Jeevan      68
105 Swatee      80
```

CONTENTS	MARKS ALLOTTED	MARKS OBTAINED
Aim , Algorithm, SQL,PL/SQL	30	
Execution and Result	20	
Viva	10	
Total	60	

RESULT

Thus Nested Queries were executed.