Ex.No.3

NESTED QUERIES

AIM:-

To execute the Nested Queries.

CREATING THE TABLE:-

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

Table created.

INSERTING VALUES TO THE TABLE:-

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

Enter value for rollno: 101

Enter value for stname: Mithun

Enter value for stmaths: 85

Enter value for stenglish: 90

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

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

1 row created.

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

Enter value for rollno: 102

Enter value for stname: Hemanth

Enter value for stmaths: 75

Enter value for stenglish: 68

old 1: insert into students values(&rollno,'&stname',&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 |
|------------|----|----|
| 102Hemanth | 75 | 68 |
| 103 Dhoni | 85 | 75 |
| 104 Jeevan | 68 | 70 |
| 105 Swatee | 80 | 55 |

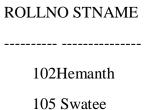
INDEPENDENT SUB-QUERY:-

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);



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> selectstname 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 ALLOTED | MARKS OBTAINED |
|----------------------|---------------|----------------|
| Aim, Algorithm, | 30 | |
| SQL,PL/SQL | | |
| Execution and Result | 20 | |
| Viva | 10 | |
| Total | 60 | |

RESULT

Thus Nested Queries were executed.