**Query No. :**

**Aim : 1) Lock the table in different modes like Exclusive, Shared and Shared Exclusive etc.**

**2) Free or unlock the table.**

**3) Create a sequence and use it in the table to create the primary key.**

SQL\*Plus: Release 10.2.0.3.0 - Production on Sun Apr 26 12:32:45 2009

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Connected to:

Oracle Database 10g Enterprise Edition Release 10.2.0.3.0 - Production

With the Partitioning, OLAP and Data Mining options

SQL> lock table Employee in Row Share mode;

Table(s) Locked.

SQL> lock table Student in Share Update mode;

Table(s) Locked.

SQL> lock table Project in Share Row Exclusive mode;

Table(s) Locked.

SQL> commit;

Commit complete.

SQL> lock table Employee in Exclusive mode;

Table(s) Locked.

SQL> lock table Student in Row Exclusive mode;

Table(s) Locked.

SQL> lock table Project in Share mode;

Table(s) Locked.

SQL> rollback;

Rollback complete.

SQL> create sequence Roll\_No

2 increment by 1

3 start with 61

4 maxvalue 120

5 nocycle;

SQL> create table Student

2 (Name varchar2(25),

3 Roll\_No int primary key,

4 Semester int

5 );

Table created.

SQL> insert into Student values ('&Name',Roll\_No.nextval,'&Sem');

Enter value for name: Rohit Aggarwal

Enter value for sem: 4

old 1: insert into Student values ('&Name',Roll\_No.nextval,'&Sem')

new 1: insert into Student values ('Rohit Aggarwal',Roll\_No.nextval,'4')

1 row created.

SQL> /

Enter value for name: Prateek Varshney

Enter value for sem: 4

old 1: insert into Student values ('&Name',Roll\_No.nextval,'&Sem')

new 1: insert into Student values ('Prateek Varshney',Roll\_No.nextval,'4')

1 row created.

SQL> /

Enter value for name: Ojassvi Chawla

Enter value for sem: 4

old 1: insert into Student values ('&Name',Roll\_No.nextval,'&Sem')

new 1: insert into Student values ('Ojassvi Chawla',Roll\_No.nextval,'4')

1 row created.

SQL> /

Enter value for name: Yash Vigmal

Enter value for sem: 2

old 1: insert into Student values ('&Name',Roll\_No.nextval,'&Sem')

new 1: insert into Student values ('Yash Vigmal',Roll\_No.nextval,'2')

1 row created.

SQL> /

Enter value for name: Parth Garg

Enter value for sem: 4

old 1: insert into Student values ('&Name',Roll\_No.nextval,'&Sem')

new 1: insert into Student values ('Parth Garg',Roll\_No.nextval,'4')

1 row created.

SQL> /

Enter value for name: Kamal Nanda

Enter value for sem: 3

old 1: insert into Student values ('&Name',Roll\_No.nextval,'&Sem')

new 1: insert into Student values ('Kamal Nanda',Roll\_No.nextval,'3')

1 row created.

SQL> /

Enter value for name: Nitin Bhatia

Enter value for sem: 3

old 1: insert into Student values ('&Name',Roll\_No.nextval,'&Sem')

new 1: insert into Student values ('Nitin Bhatia',Roll\_No.nextval,'3')

1 row created.

SQL> select \* from Student;

NAME ROLL\_NO SEMESTER

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Rohit Aggarwal 61 4

Prateek Varshney 62 4

Ojassvi Chawla 63 4

Yash Vigmal 64 2

Parth Garg 65 4

Kamal Nanda 66 3

Nitin Bhatia 67 3

7 rows selected.

**Written By :**

**Name : Rohit Aggarwal**

**Roll No. : 7CS-097**