**PRACTICAL NO.10**

**AIM: Study of Transactions and Locks.**

SQL> create user ABC

2 Profile "DEFAULT"

3 Identified by "ABC"

4 Default Tablespace "SYSTEM"

5 Temporary tablespace "TEMP"

6 Account Unlock

7 /

**User created.**

SQL> create user PQR

2 Profile "DEFAULT"

3 Identified by "PQR"

4 Default Tablespace "SYSTEM"

5 Temporary tablespace "TEMP"

6 Account Unlock

7 /

**User created.**

SQL> grant dba to ABC with admin option;

**Grant succeeded.**

SQL> grant Create table to "ABC";

**Grant succeeded.**

SQL> grant Create view to "ABC";

**Grant succeeded.**

SQL> grant Insert Any table to "ABC";

**Grant succeeded.**

SQL> grant select Any table to "ABC";

**Grant succeeded.**

SQL> grant update Any table to "ABC";

**Grant succeeded**.

SQL> grant dba to PQR with admin option;

**Grant succeeded.**

SQL> grant Create table to "PQR";

**Grant** **succeeded**.

SQL> grant Create view to "PQR";

**Grant succeeded**.

SQL> grant Insert Any table to "PQR";

**Grant succeeded.**

SQL> grant select Any table to "PQR";

**Grant succeeded.**

SQL> grant update Any table to "PQR";

**Grant succeeded..**

**//Connect to ABC user.**

SQL> connect

Enter user-name: ABC

Enter password:

Connected.

SQL> create table sycs1(sno number primary key,name varchar2(30));

**Table created.**

SQL> lock table sycs1 in exclusive mode nowait;

**Table(s) Locked.**

SQL> insert into sycs1 values(&sno,'&name');

Enter value for sno: 1

Enter value for name: Shivani

old 1: insert into sycs1 values(&sno,'&name')

new 1: insert into sycs1 values(1,'Shivani')

**1 row created.**

SQL> /

Enter value for sno: 2

Enter value for name: Rutu

old 1: insert into sycs1 values(&sno,'&name')

new 1: insert into sycs1 values(2,'Rutu')

**1 row created.**

SQL> select \* from sycs1;

SNO NAME

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1 Shivani

2 Rutu

**//Shift to another command prompt.**

SQL> connect

Enter user-name: PQR

Enter password:

Connected.

SQL> create database link Link1

2 connect to ABC

3 identified by "ABC"

4 using 'ORACLE'

5 /

**Database link created.**

**// shift to ABC prompt**

SQL> commit;

Commit complete.

**//Shift to PQR prompt**

SQL> create database link Link4

2 connect to ABC

3 identified by "ABC"

4 using 'XE'

5 /

**Database link created.**

SQL> select \* from sycs1@Link4;

**no rows selected**

SQL> select \* from sycs1@Link4;

SNO NAME

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1 Shivani

2 Rutu

**// shift to ABC prompt**

SQL> commit;

**Commit complete.**

**//Shift to PQR prompt**

SQL> select \* from sycs1@Link4;

**no rows selected**

SQL> select \* from sycs1@Link4;

SNO NAME

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1 Shivani

2 Rutu

**// shift to ABC prompt**

SQL> lock table sycs1 in exclusive mode nowait;

**Table(s) Locked**

SQL> lock table sycs1@link4 in exclusive mode nowait;

lock table sycs1@link4 in exclusive mode nowait

\*

ERROR at line 1:

ORA-00054: resource busy and acquire with NOWAIT specified

ORA-02063: preceding line from LINK4