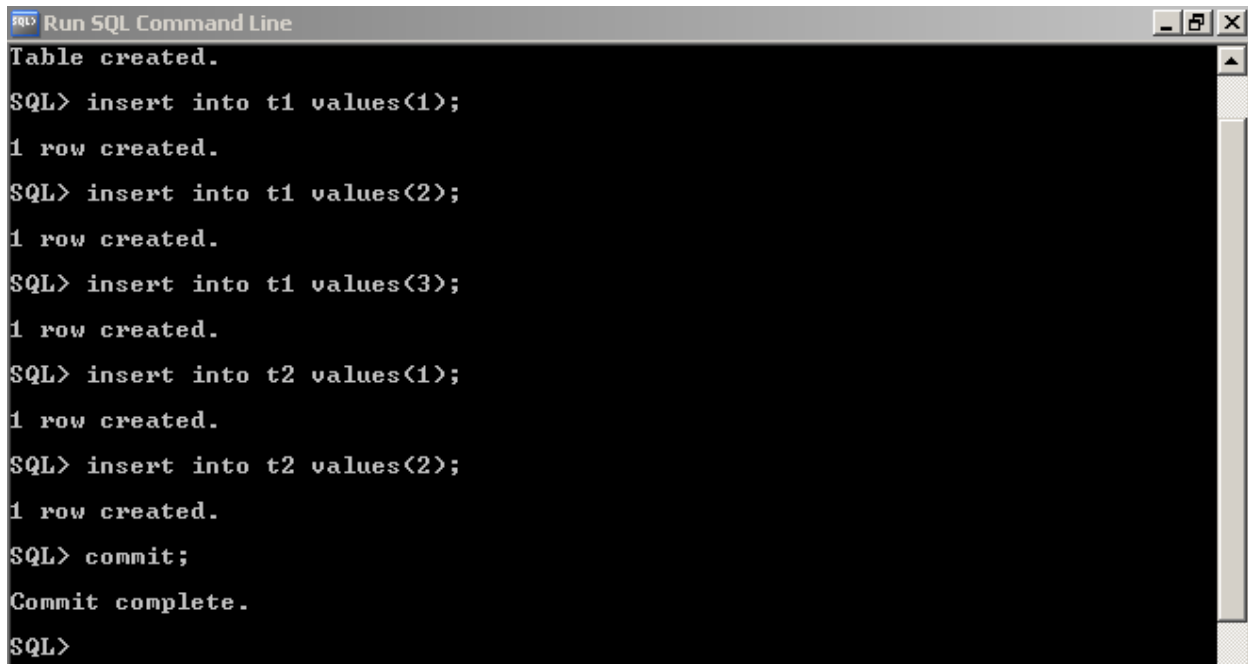


Implementing Deadlock.

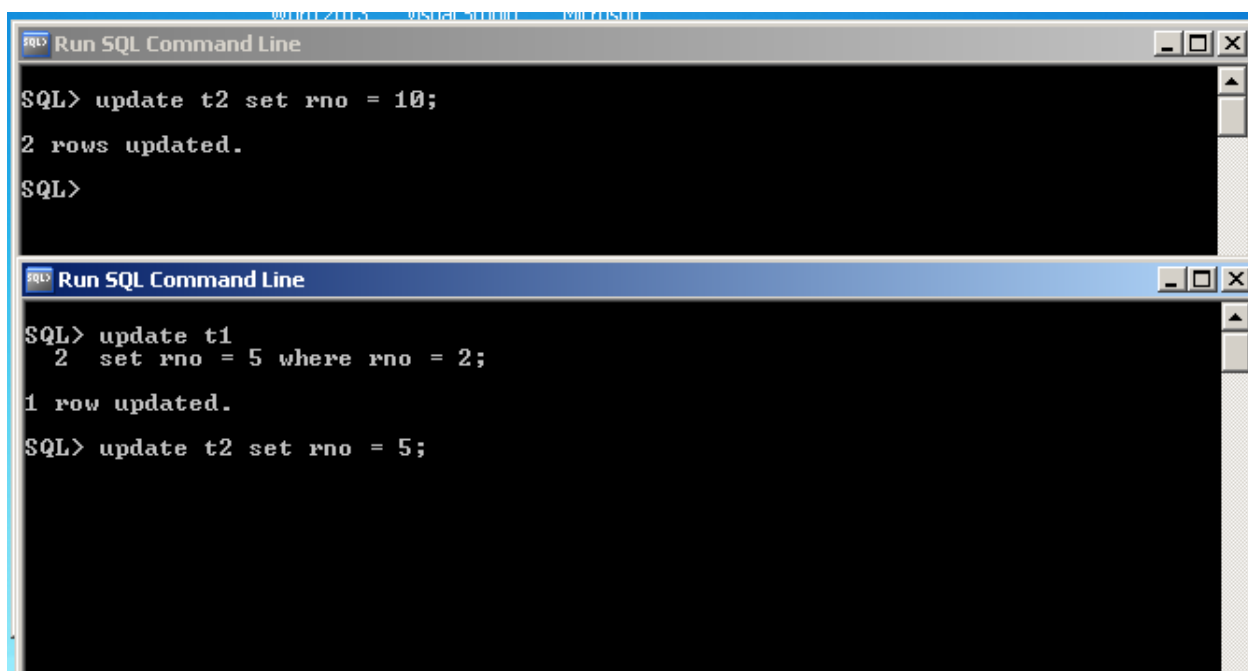
Create two tables. Do commit.



```
Run SQL Command Line
Table created.
SQL> insert into t1 values(1);
1 row created.
SQL> insert into t1 values(2);
1 row created.
SQL> insert into t1 values(3);
1 row created.
SQL> insert into t2 values(1);
1 row created.
SQL> insert into t2 values(2);
1 row created.
SQL> commit;
Commit complete.
SQL>
```

One instance is holding table t1 and another instance is holding table t2.

When we try to update table t2 from instance 1 it will wait for another instance.

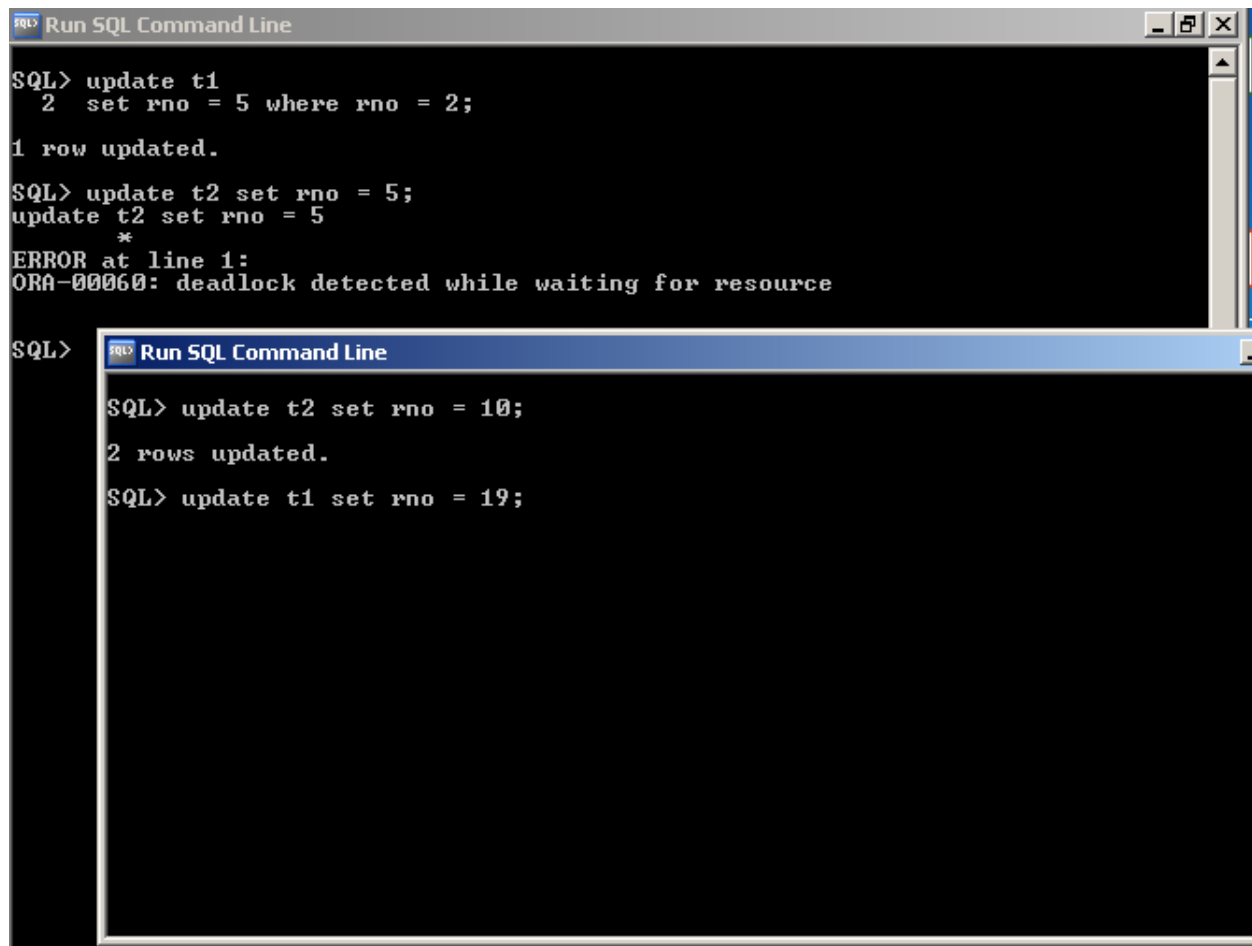


```
Run SQL Command Line
SQL> update t2 set rno = 10;
2 rows updated.
SQL>

Run SQL Command Line
SQL> update t1
2 set rno = 5 where rno = 2;
1 row updated.
SQL> update t2 set rno = 5;
```

IMRAN RIZWAN SHAIKH 109 FYIT PRACTICAL 11 DBMS

If we try to update table 1 from instance 2 it will raise error in instance 1.



The image shows two overlapping SQL Command Line windows. The top window displays the following text:

```
SQL> update t1
2 set rno = 5 where rno = 2;

1 row updated.

SQL> update t2 set rno = 5;
update t2 set rno = 5
*
ERROR at line 1:
ORA-00060: deadlock detected while waiting for resource
```

The bottom window displays the following text:

```
SQL> update t2 set rno = 10;

2 rows updated.

SQL> update t1 set rno = 19;
```