

Oracle	Name:
Practice	Class:
Locking	Date:

!!! Teamwork !!!

Read the article from docs.oracle.com and answer the following questions:

- Explain the two lock modes
- How long does oracle hold a lock?
- Why are DDL locks needed?

!!! Teamwork !!!

Create a new TABLESPACE:

Name:	<b>SHOP_LASTNAME</b>	<b>SHOP_GRIESMAYER</b>
Datafile:	<b>shop_lastname1.dbf</b>	<b>shop_griesmayer1.dbf</b>
Size:	200 MByte; autoextend up to 300 MByte	
Datafile:	<b>shop_lastname2.dbf</b>	<b>shop_griesmayer2.dbf</b>
Size:	100 MByte	

Keep the SQL-Statements for this task!

Create the following users:

Name:	<b>LASTNAME1</b>	<b>GRIESMAYER</b>
	<b>FIRSTNAME1</b>	<b>THOMAS</b>
	<b>LASTNAME2</b>	<b>MEIER</b>
	<b>FIRSTNAME2</b>	<b>SUSI</b>

The users should use the tablespace **SHOP\_LASTNAME**.

```
CREATE USER GRIESMAYER PROFILE "DEFAULT" IDENTIFIED BY "oracle"
DEFAULT TABLESPACE TBS_GRIESMAYER_LOCKING
TEMPORARY TABLESPACE TEMP
ACCOUNT UNLOCK;
GRANT SELECT ANY DICTIONARY TO GRIESMAYER;
GRANT UNLIMITED TABLESPACE TO GRIESMAYER;
GRANT CONNECT TO GRIESMAYER;
GRANT RESOURCE TO GRIESMAYER;
```

```
CREATE USER THOMAS PROFILE "DEFAULT" IDENTIFIED BY "oracle"
DEFAULT TABLESPACE TBS_GRIESMAYER_LOCKING
TEMPORARY TABLESPACE TEMP
ACCOUNT UNLOCK;
GRANT SELECT ANY DICTIONARY TO THOMAS;
GRANT UNLIMITED TABLESPACE TO THOMAS;
GRANT CONNECT TO THOMAS;
GRANT RESOURCE TO THOMAS;
```

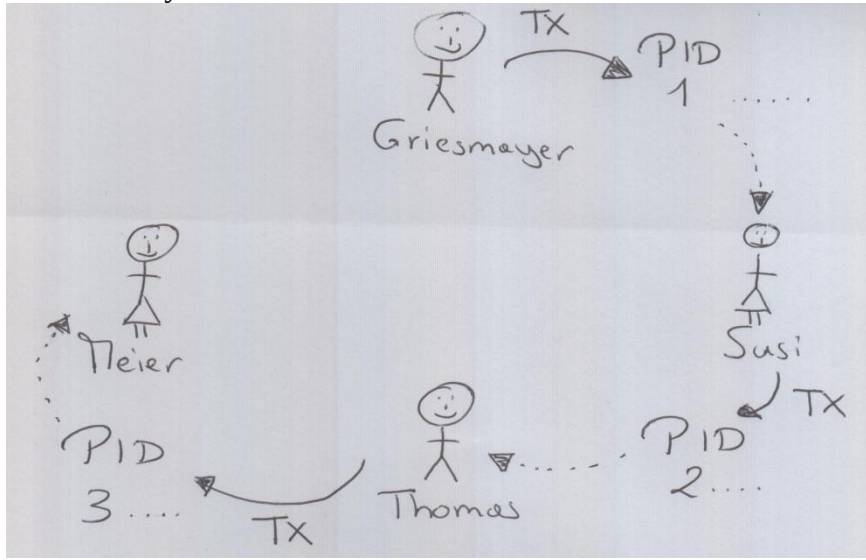
Use the **LASTNAME1** user and create the following table:

LASTNAME1_PRODUCT		
PRODUCT_ID	INTEGER	PRIMARY KEY
PRODUCT_NAME	VARCHAR(15)	
LAST_CHANGE	DATE	
CURRENT_STOCK	INTEGER	
MAXIMUM_STOCK	INTEGER	

Add 5 rows.

```
INSERT INTO ... VALUES (... , TO_DATE('1973-07-14', 'yyyy-mm-dd'), ...);
```

Create a busy wait situation! Use all 4 users.



Create a deadlock situation! Use all 4 users.

