

Oracle Name: _____
Practice Class: _____
Sequence Date: _____

Use the demo user and create the following table:

LASTNAME_CUSTOMER		
CUSTOMER_ID	INTEGER	PRIMARY KEY
FIRST_NAME	VARCHAR(15)	
GENDER	CHAR(1)	
FIRST_ORDER	DATE	
CREDIT_LIMIT	DECIMAL(8,2)	

All fields are NOT NULL!

USE YOUR OWN NAME!!!

Use the DEMO user!

Create a sequence **LASTNAME_SEQ_CUSTOMER_ID** to generate the PRIMARY KEY **CUSTOMER_ID**.

The screenshot shows the SQL Developer interface. The main window displays the following SQL script:

```
CREATE SEQUENCE SEQ_CUSTOMER_ID
START WITH 1000
INCREMENT BY 1
CACHE 20;
COMMIT;

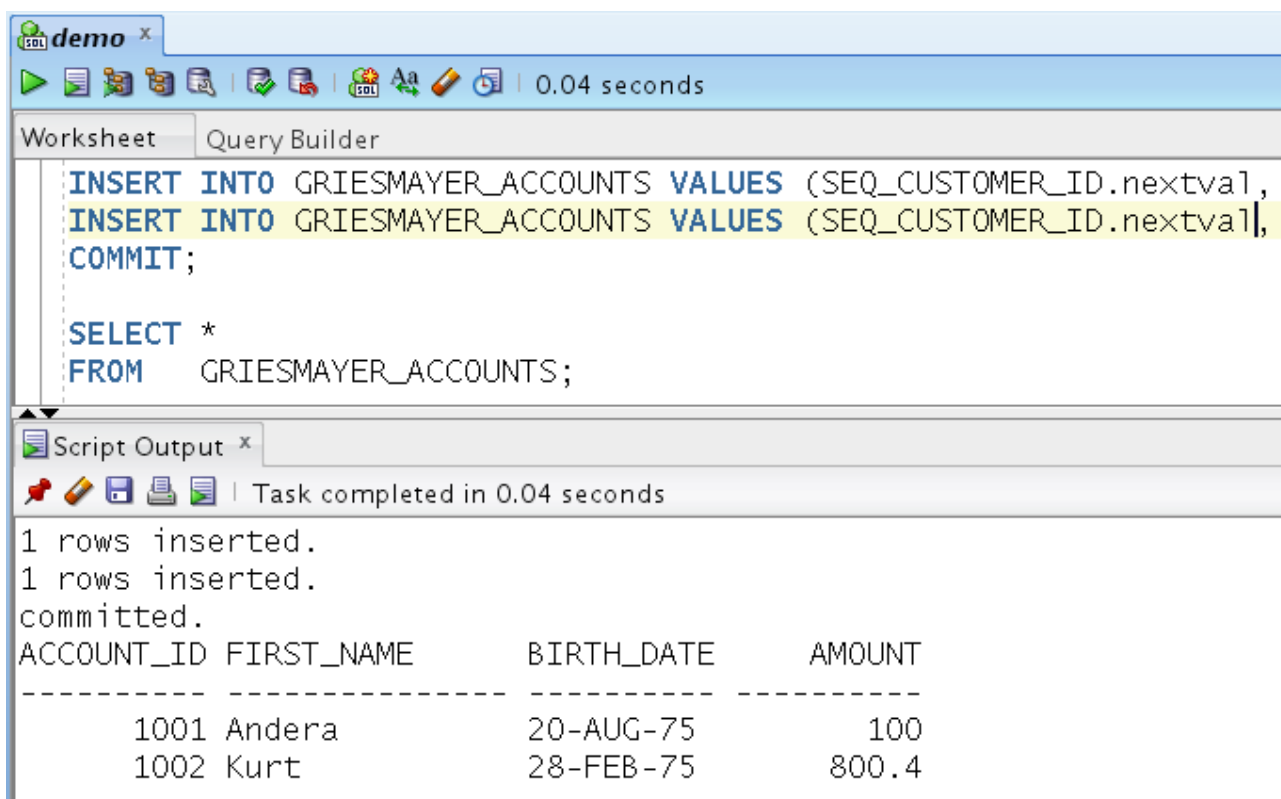
SELECT SEQ_CUSTOMER_ID.nextval
FROM DUAL;
```

The Script Output window at the bottom shows the execution results:

```
sequence SEQ_CUSTOMER_ID created.
committed.
NEXTVAL
-----
1000
```

Use the DEMO user!

Insert 4 lines into **LASTNAME_CUSTOMER** using the sequence for the **CUSTOMER_ID**.
COMMIT your work.
Check the result in the table.



The screenshot shows a SQL IDE window titled 'demo'. The main area displays the following SQL code:

```
INSERT INTO GRIESMAYER_ACCOUNTS VALUES (SEQ_CUSTOMER_ID.nextval,  
INSERT INTO GRIESMAYER_ACCOUNTS VALUES (SEQ_CUSTOMER_ID.nextval,  
COMMIT;  
  
SELECT *  
FROM GRIESMAYER_ACCOUNTS;
```

Below the code, the 'Script Output' window shows the execution results:

```
1 rows inserted.  
1 rows inserted.  
committed.  
ACCOUNT_ID FIRST_NAME      BIRTH_DATE      AMOUNT  
-----  
1001 Andera                20-AUG-75        100  
1002 Kurt                 28-FEB-75        800.4
```

Use the SYSTEM user!

Create the user **LASTNAME** and run the following SQL Statement:
GRANT SELECT ON DEMO.LASTNAME_SEQ_CUSTOMER_ID TO LASTNAME;
USE YOUR OWN NAME!!!

Use the LASTNAME user!

Insert 3 lines into **LASTNAME_CUSTOMER** using the sequence for the **CUSTOMER_ID**.
COMMIT your work.
Check the result in the table.

Use the LASTNAME user!

Insert 1 line into **LASTNAME_CUSTOMER** using the sequence.

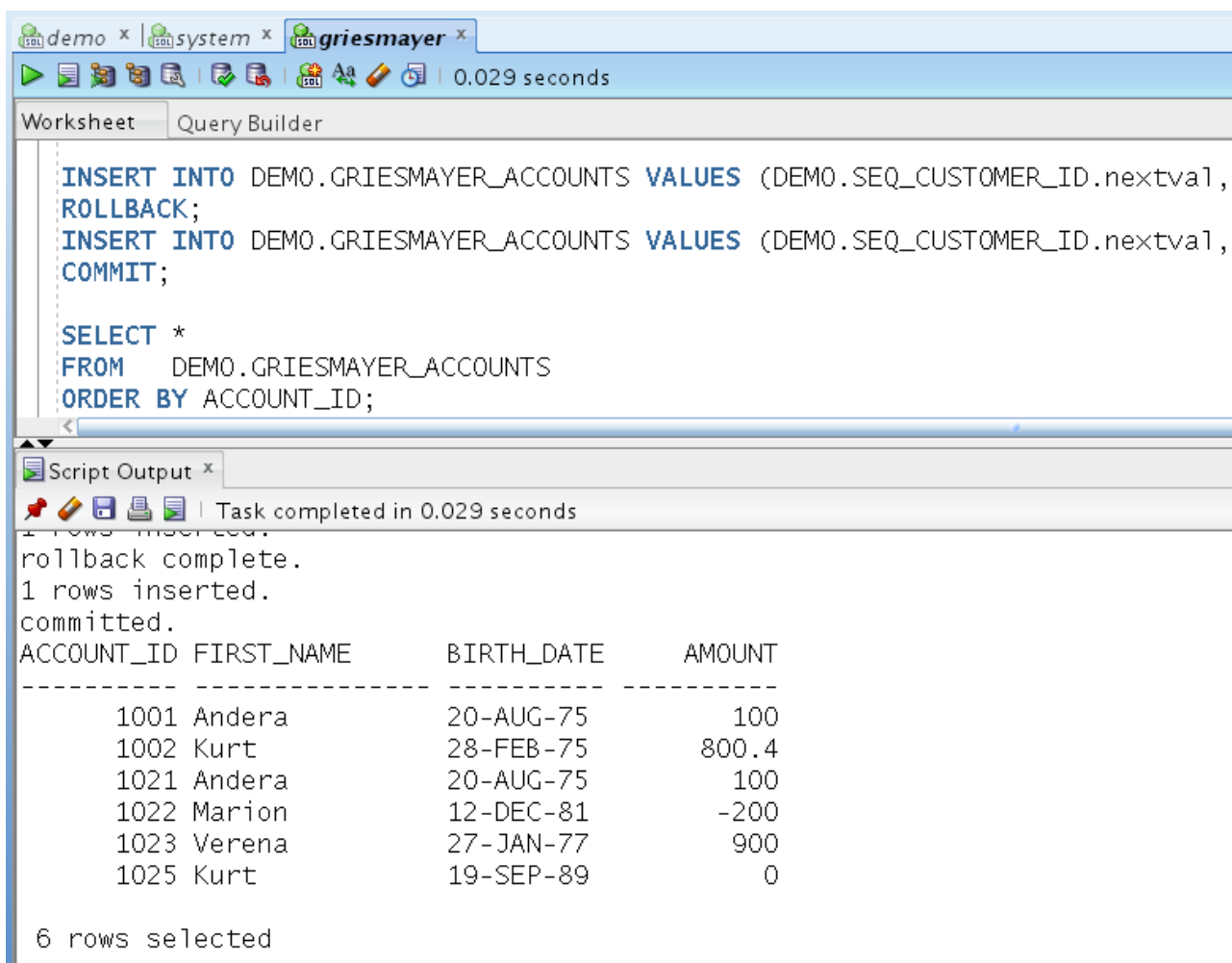
ROLLBACK your work.

INSERT 1 line into **LASTNAME_CUSTOMER** using the sequence.

COMMIT your work.

Check the result in the table.

Is the CUSTOMER_ID filled continuous?



demo x system x griesmayer x

0.029 seconds

Worksheet Query Builder

```
INSERT INTO DEMO.GRIESMAYER_ACCOUNTS VALUES (DEMO.SEQ_CUSTOMER_ID.nextval,  
ROLLBACK;  
INSERT INTO DEMO.GRIESMAYER_ACCOUNTS VALUES (DEMO.SEQ_CUSTOMER_ID.nextval,  
COMMIT;  
  
SELECT *  
FROM DEMO.GRIESMAYER_ACCOUNTS  
ORDER BY ACCOUNT_ID;
```

Script Output x

Task completed in 0.029 seconds

1 rows inserted.
rollback complete.
1 rows inserted.
committed.

ACCOUNT_ID	FIRST_NAME	BIRTH_DATE	AMOUNT
1001	Andera	20-AUG-75	100
1002	Kurt	28-FEB-75	800.4
1021	Andera	20-AUG-75	100
1022	Marion	12-DEC-81	-200
1023	Verena	27-JAN-77	900
1025	Kurt	19-SEP-89	0

6 rows selected