APP Activity 3: PostgreSQL Name: Weifeng Zhao

Part 1) Creating tables (should have four SQL query and four table views)

• userShippingAddress

```
CREATE TABLE userShippingAddress(
 1
           id serial primary key,
 2
           address varchar(128),
 3
           state varchar(128),
 4
           zipcode INTEGER
 5
 6
      )
Data Output
            Explain
                    Messages
                               Notifications
   id
                address
                                     state
                                                         zipcode
  [PK] integer
                character varying (128)
                                     character varying (128)
                                                         integer
```

• userOrder

```
CREATE TABLE userOrder(
    id serial primary key,
    quantity INTEGER,
    item VARCHAR(128),
    totalPrice NUMERIC(3,0)
```

Data Output Explain Messages Notifications

4	id [PK] integer	quant intege	- /	item character varying (128)	totalprice numeric (3)	

userInfo

```
15
    CREATE TABLE userInfo(
         id serial primary key,
16
17
         last_name varchar(30),
18
         first_name varchar(30),
         userShippingAddress_id INTEGER REFERENCES userShippingAddress(id) on DELETE CASCADE,
19
         userOrder_id INTEGER REFERENCES userOrder(id) on DELETE CASCADE
20
21
 Data Output
               Explain
                        Messages
                                     Notifications
                                                                  usershippingaddress_id
                                                                                           userorder_id
                   last_name
                                           first_name
    [PK] integer
                   character varying (30)
                                           character varying (30)
                                                                                           integer
                                                                  integer
```

• userLogin



Part 2) Entering data in each table (should have four SQL queries and four table views)

userShippingAddress

Data Output Ex			plain Messages Notifications					
4	id [PK] integer		address character varying (128)	state character varying (128)	zipcode integer			
1		1	800 follow st.	NY	10001			
2		2	320 water st.	СТ	12005			
3		3	9 Gotham st.	GC	15200			

• userOrder

```
INSERT INTO userOrder(id,quantity,item,totalPrice)

VALUES

(1,2,'Wooden Boat',120),

(2,1,'Rabbit',25),

(3,5,'Cars',180),

(4,3,'Bubbles',36);
```

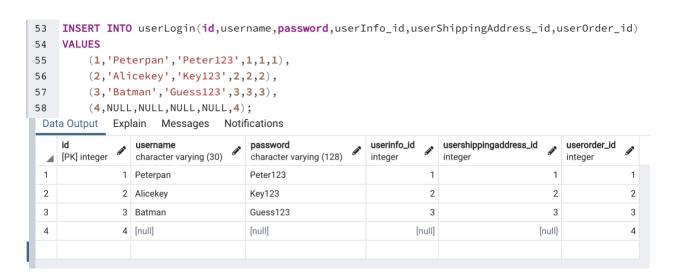
Data Output Explain Messages Notifications

4	id [PK] integer	quantity integer	item character varying (128)	totalprice numeric (3)
1	1	2	Wooden Boat	120
2	2	1	Rabbit	25
3	3	5	Cars	180
4	4	3	Bubbles	36

• userInfo

```
INSERT INTO userInfo(id,last_name,first_name,userShippingAddress_id,userOrder_id)
47
     VALUES
48
          (1, 'Pan', 'Peter', 1, 1),
49
          (2,'Key','Alice',2,2),
50
          (3,'Wayne','Bruce',3,3),
51
          (4,'Zhao','Weifeng',NULL,4);
 Data Output Explain
                       Messages Notifications
                   last_name
                                          first_name
                                                                 usershippingaddress_id
                                                                                         userorder_id
    [PK] integer
                   character varying (30)
                                          character varying (30)
                                                                 integer
                                                                                         integer
 1
                 1 Pan
                                          Peter
                                                                                      1
                                                                                                     1
 2
                                                                                      2
                                          Alice
                                                                                                     2
                 2 Key
 3
                 3 Wayne
                                          Bruce
                                                                                      3
                                                                                                     3
 4
                 4 Zhao
                                          Weifeng
                                                                                   [null]
                                                                                                     4
```

• userLogin

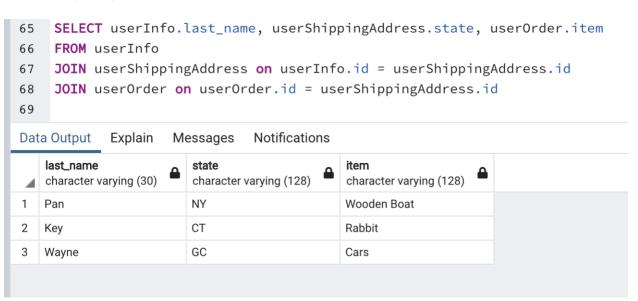


Part 3) Print data: (should have three SQL queries and three table views)

• username and total price

• u	iscilia	e and total price					
	61	SELECT userLogin.username, userOrder.totalPrice					
	62	FROM userLogin					
	63	<pre>JOIN userOrder ON userLogin.id = userOrder.id;</pre>					
	Data Output Explain Messages Notifications						
	4	character varying (30) totalprice numeric (3)					
	1	Peterpan 120					
	2	Alicekey 25					
	3	Batman 180					
	4	null] 36					

• last name, state, and order items



• first name, address, zip code, quantity, items, and total price

