

## **Lab 3**

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SDEV-350 7380

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## Lab 3

## 1. Create a Unique Profile

Figure 1 shows the successful creation of a unique profile named PDANBECK.

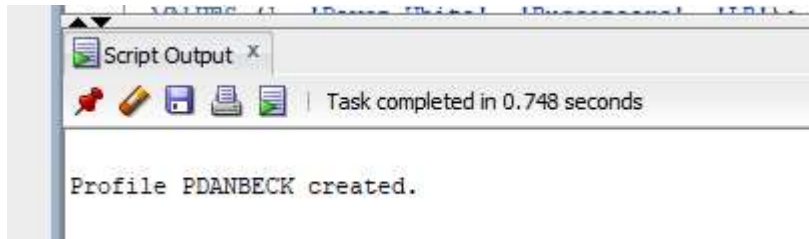


Figure 1, Successful profile creation

## 2. Verify Profile Creation

Figure 2 shows the verification the profile PDANBECK was created. It shows password complexity meets requirements for Ora12c Verify function, that the user may have up to 3 concurrent sessions, up to 4 consecutive failed attempts to log in before the account is locked, up till 120 days before their password must be changed, and account will be locked for 1 hour after 4 consecutive failed login attempts.

The screenshot shows a 'Script Output' window with a toolbar and the text 'Task completed in 0.748 seconds'. Below this is a table with 17 rows selected. The table has three columns: PROFILE, RESOURCE\_NAME, and RESOURCE LIMIT. The first section of the table lists various system resources and their limits for the PDANBECK profile. The second section lists password-related settings.

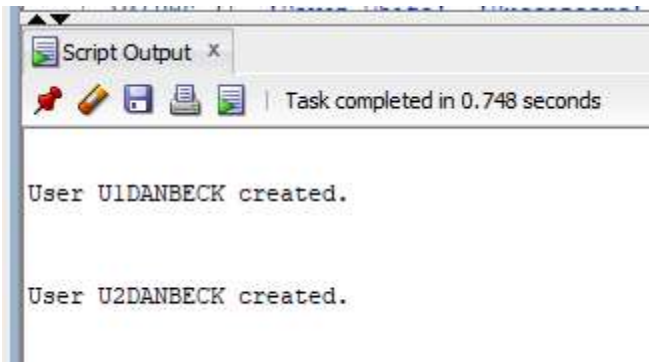
PROFILE	RESOURCE_NAME	RESOURCE LIMIT
PDANBECK	COMPOSITE_LIMIT	KERNEL DEFAULT
PDANBECK	SESSIONS_PER_USER	KERNEL 3
PDANBECK	CPU_PER_SESSION	KERNEL DEFAULT
PDANBECK	CPU_PER_CALL	KERNEL DEFAULT
PDANBECK	LOGICAL_READS_PER_SESSION	KERNEL DEFAULT
PDANBECK	LOGICAL_READS_PER_CALL	KERNEL DEFAULT
PDANBECK	IDLE_TIME	KERNEL DEFAULT
PDANBECK	CONNECT_TIME	KERNEL DEFAULT
PDANBECK	PRIVATE_SGA	KERNEL DEFAULT
PDANBECK	FAILED_LOGIN_ATTEMPTS	PASSWORD 4
PDANBECK	PASSWORD_LIFE_TIME	PASSWORD 120
PDANBECK	PASSWORD_REUSE_TIME	PASSWORD DEFAULT
PDANBECK	PASSWORD_REUSE_MAX	PASSWORD DEFAULT
PDANBECK	PASSWORD_VERIFY_FUNCTION	PASSWORD ORA12C_VERIFY_FUNCTION
PDANBECK	PASSWORD_LOCK_TIME	PASSWORD .0416
PDANBECK	PASSWORD_GRACE_TIME	PASSWORD DEFAULT
PDANBECK	INACTIVE_ACCOUNT_TIME	PASSWORD DEFAULT

17 rows selected.

Figure 2, Verification of profile creation

## 3. Creation of Users

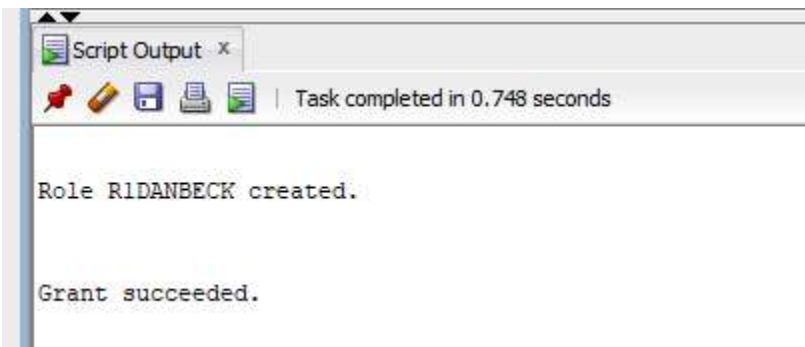
Figure 3 shows the creation of two users assigned to the Permanent Tablespace of Users with a Quota of 30M. The new users are assigned to the PDANBECK profile.



*Figure 3, Successful creation of users*

#### **4. Creation of Roles**

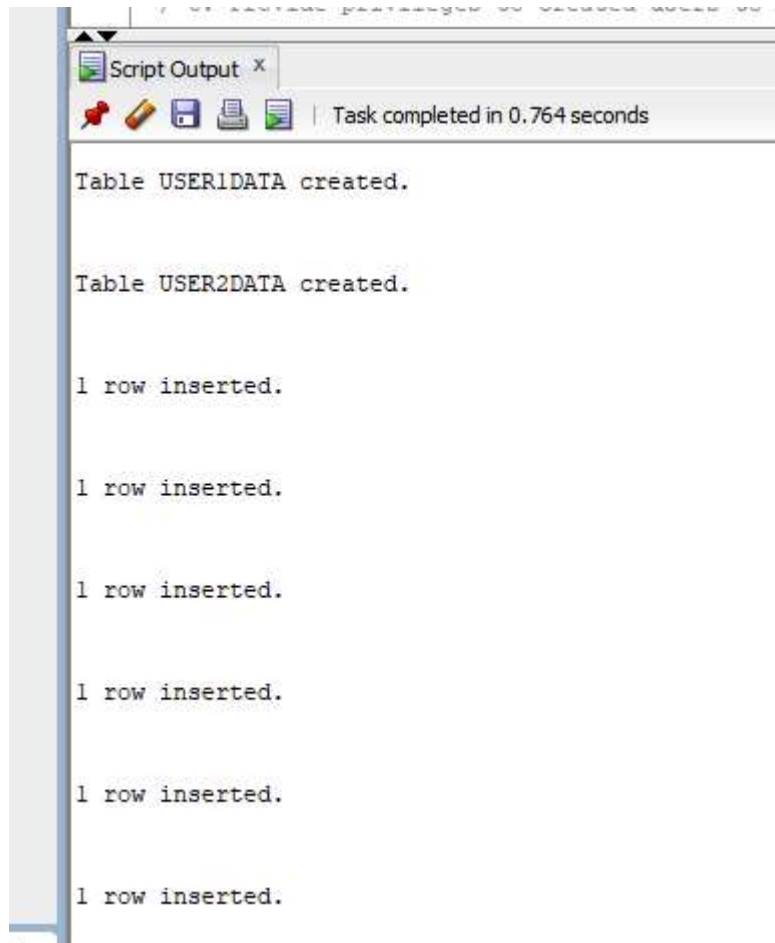
Figure 4 shows the creation of role R1DANBECK allowing users assigned to be able to connect to the database and create tables.



*Figure 4, Successful creation of role*

#### **5. Creation of Two Tables**

Figure 5 shows the successful creation of two tables named User1Data and User2Data. The tables contain a primary key and 3 additional columns. In User1Data, the columns are PlayerName, Team, and Position for Offense. In User2Data, the columns are PlayerName, Team, and Position for Defense. 3 records were inserted into each table.



*Figure 5, Successful tables, and entry insertions*

## **6. Privileges for Users**

Figure 6 shows the successful granting of privileges to created users to be able to connect to the database and create tables.

```
Grant succeeded.  
|  
Grant succeeded.  
  
Grant succeeded.  
  
Grant succeeded.  
  
Grant succeeded.  
  
Grant succeeded.  
  
Grant succeeded.
```

*Figure 6, Successful privileges granted*

## 7. Test Plan Showing User's Privileges

### 7A. User 1 Test Plan

Figure 7 shows the U1DANBECK logging in.

Figure 8 shows that the password for U1DANBECK needs to be reset.

Figure 9 shows the password for U1DANBECK being reset.

Figure 10 shows U1DANBECK selecting all data from the ADMIN.User1Data table.

Figure 11 shows U1DANBECK creating a table.

Figure 12 shows U1DANBECK adding an entry to the newly created table.

Figure 13 shows that the entry was successful.

Figure 14 shows U1DANBECK adding an entry to the User1Data table.

Figure 15 show U1DANBECK trying to drop table without necessary privileges.

New / Select Database Connection

Connection Name	Connection Details
SDEV350	admin@//databa...

Name: SDEV350

Database Type: Oracle

User Info: Proxy User

Authentication Type: Default

Username: U1DANBECK

Role: default

Password: .....

Save Password: ☒

Connection Type: Basic

Details: Advanced

Hostname: database-1.ctqx0gijvzw.us-east-1.rds.amazonaws.com

Port: 1521

☐ SID

☒ Service name: ORCL

Status:

Help Save Clear Test Connect Cancel

Figure 7, User 1 log in

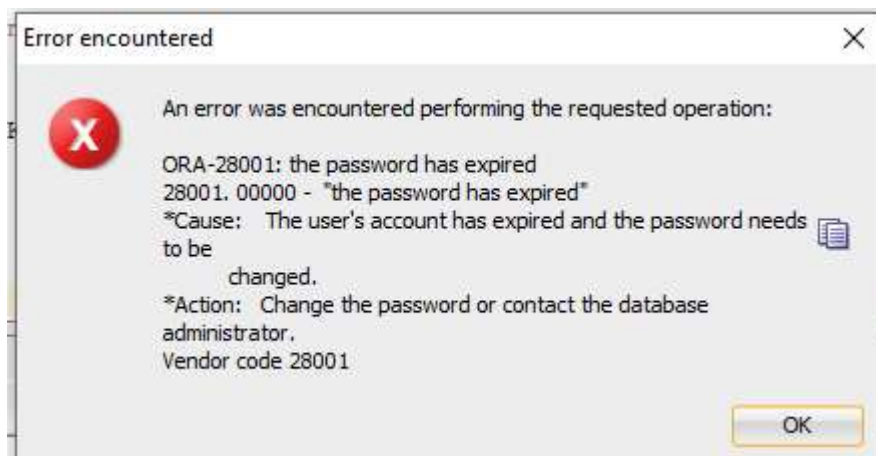
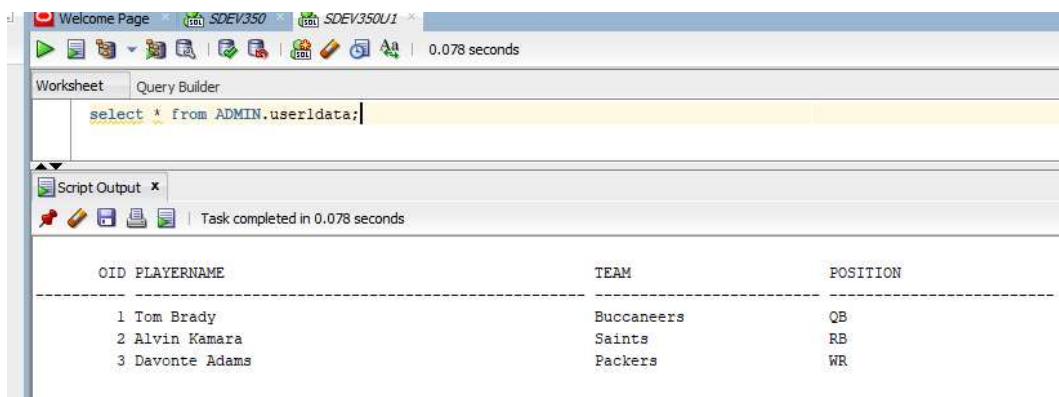


Figure 8, User 1 password reset error



A dialog box titled "Enter New Password" with a close button (X) in the top right corner. It contains four text input fields: "Username:" with the text "U1DANBECK", "Current Password:" with masked characters "\*\*\*\*\*", "New Password:" with masked characters "\*\*\*\*\*", and "Confirm Password:" with masked characters "\*\*\*\*\*". At the bottom, there are three buttons: "Help", "OK", and "Cancel".

Figure 9, User 1 password reset



A screenshot of a database query tool interface. The top bar shows "Welcome Page" and "Query Builder". The "Query Builder" tab is active, displaying the SQL query: `select * from ADMIN.userldata;`. Below the query, a "Script Output" window shows the results of the query execution, indicating "Task completed in 0.078 seconds". The results are displayed in a table with three columns: "OID", "PLAYERNAME", "TEAM", and "POSITION".

OID	PLAYERNAME	TEAM	POSITION
1	Tom Brady	Buccaneers	QB
2	Alvin Kamara	Saints	RB
3	Davonte Adams	Packers	WR

Figure 10, User 1 select data from admin database

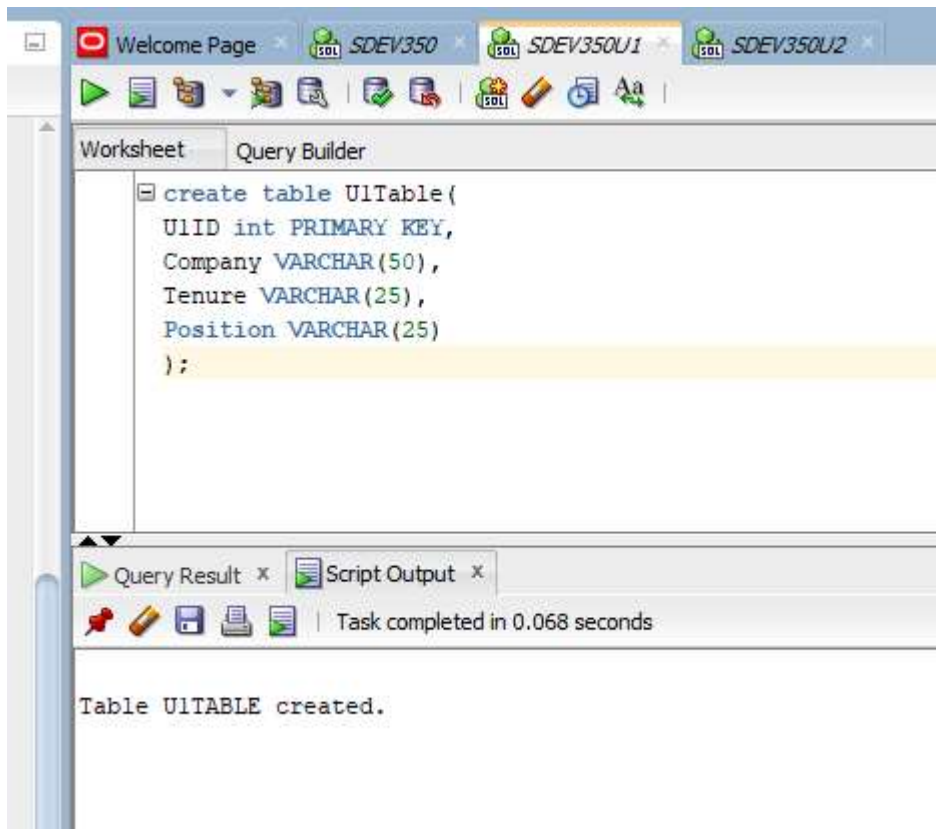


Figure 11, User 1 table creation

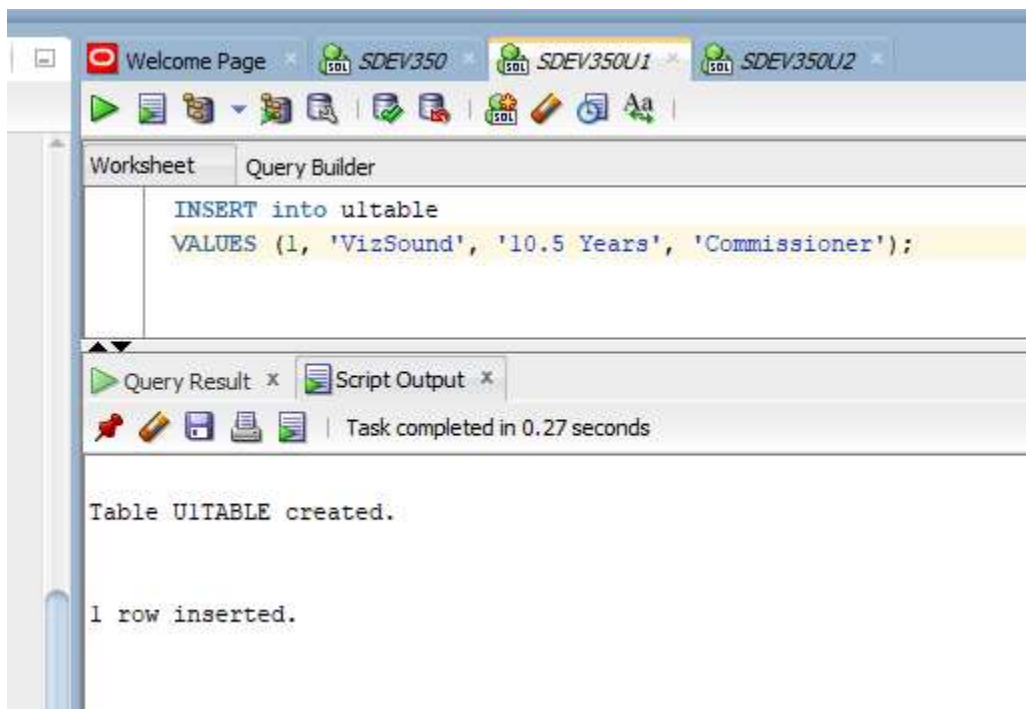


Figure 12, User 1 entry into newly created table



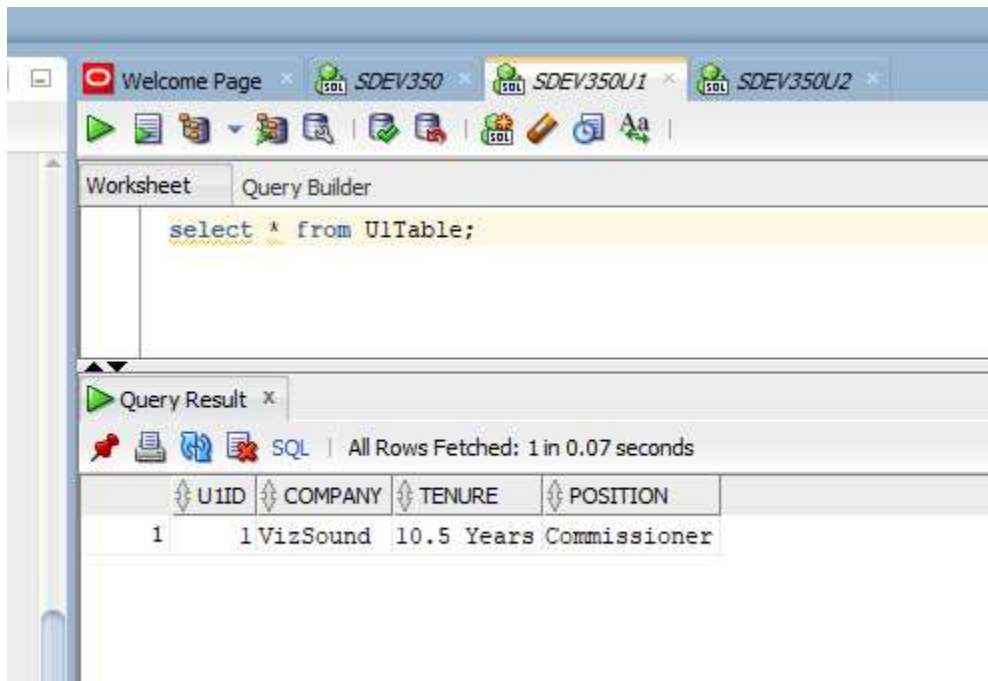


Figure 13, User 1 entry into newly created table

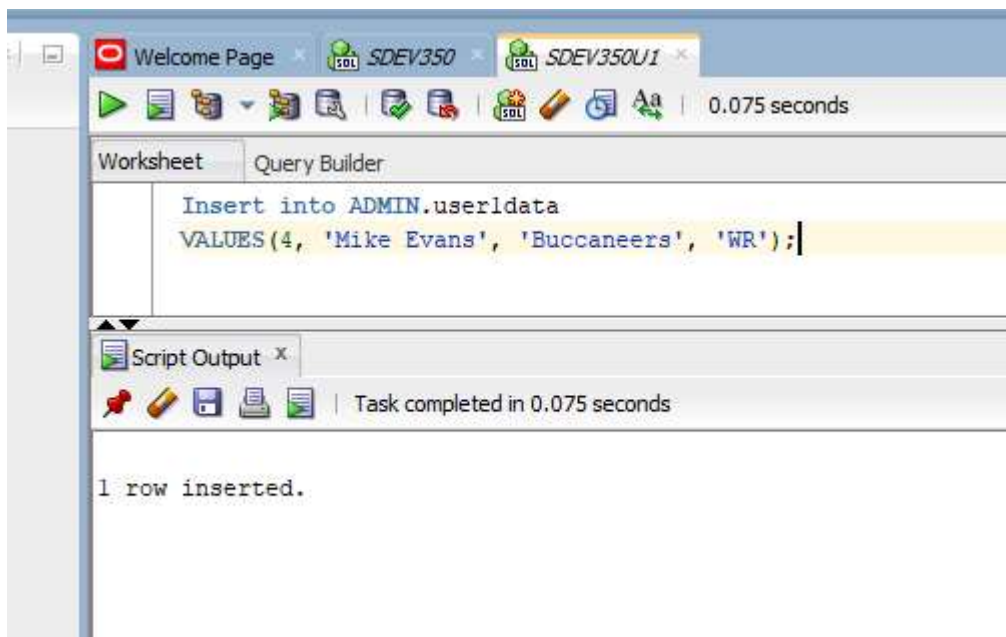


Figure 14, User 1 entry into Admin table

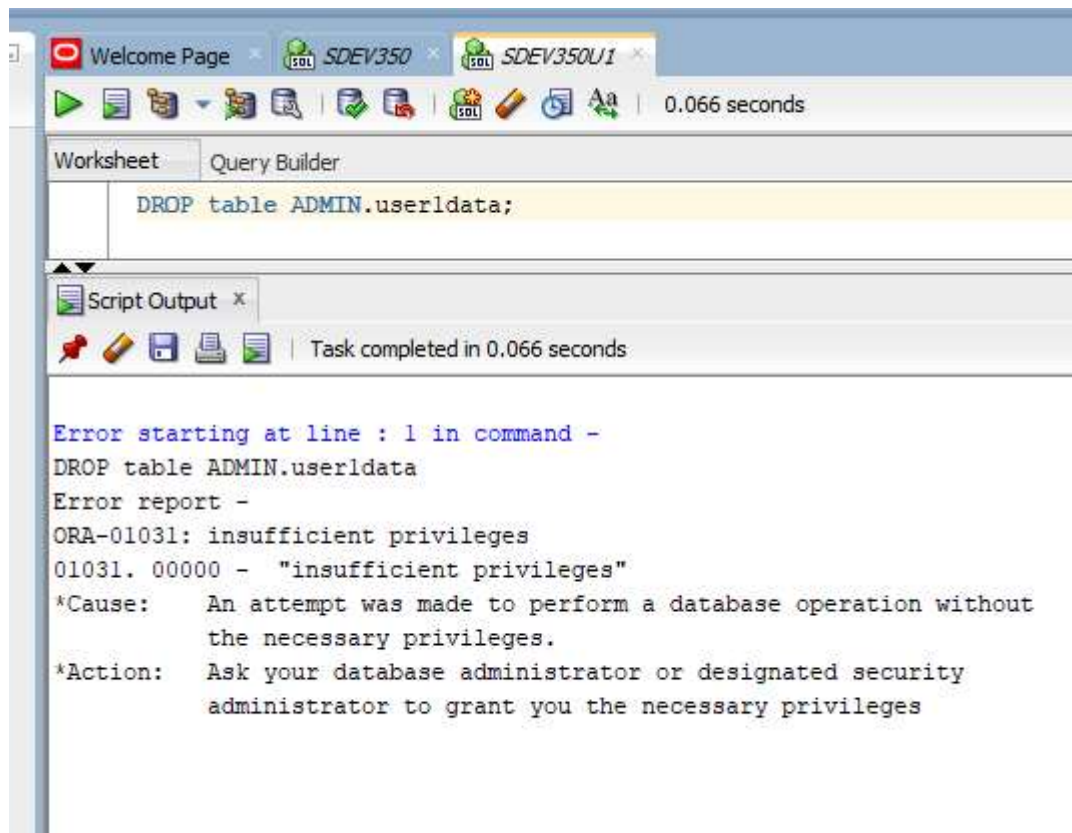


Figure 15, User 1 try to drop table in admin database

## 7B. User 2 Test Plan

Figure 16 shows the U2DANBECK logging in.

Figure 17 shows that the password for U2DANBECK needs to be reset.

Figure 18 shows the password for U2DANBECK being reset.

Figure 19 shows U2DANBECK selecting all data from the ADMIN.User2Data table.

Figure 20 shows U2DANBECK creating a table.

Figure 21 shows U2DANBECK adding an entry to the newly created table.

Figure 22 shows U2DANBECK selecting all data from the newly created table.

Figure 23 shows U2DANBECK trying to add an entry to ADMIN.User2Data table without the proper privileges.

Figure 25 show U2DANBECK trying to drop table without necessary privileges.

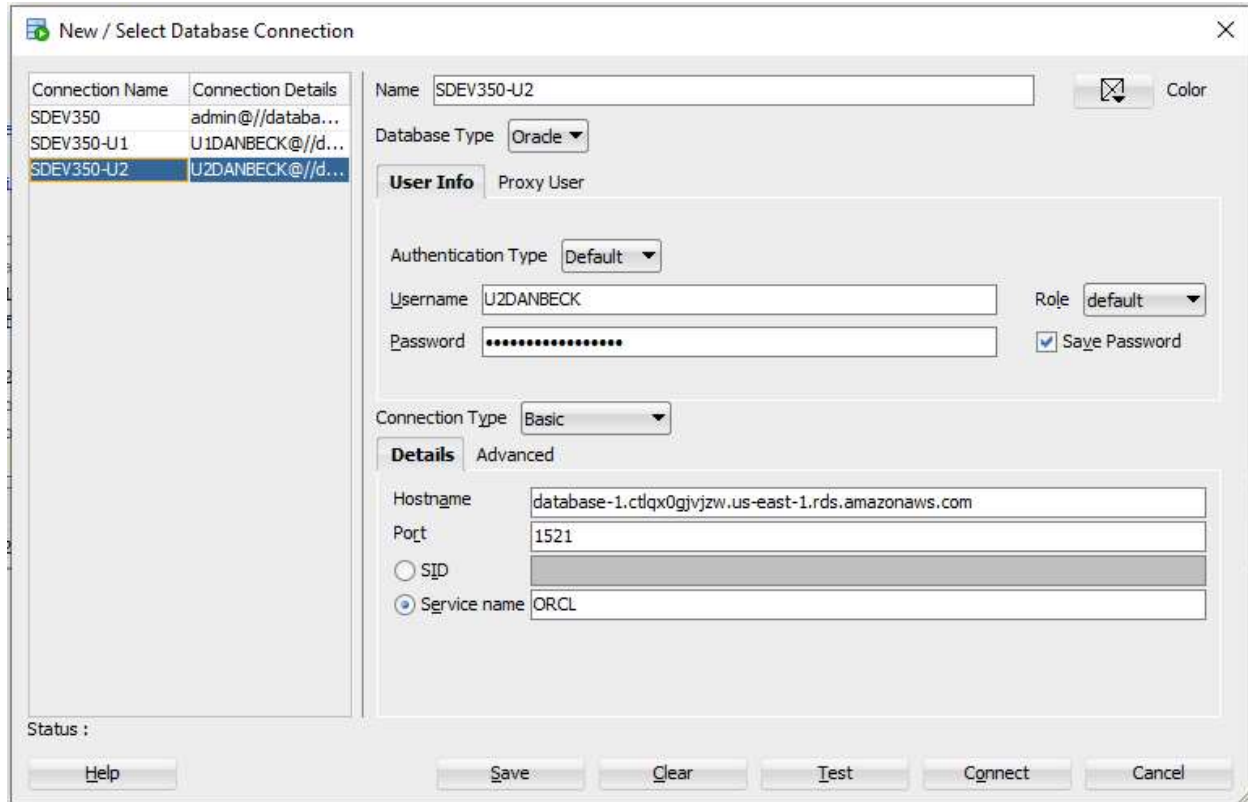


Figure 16, User 2 log in

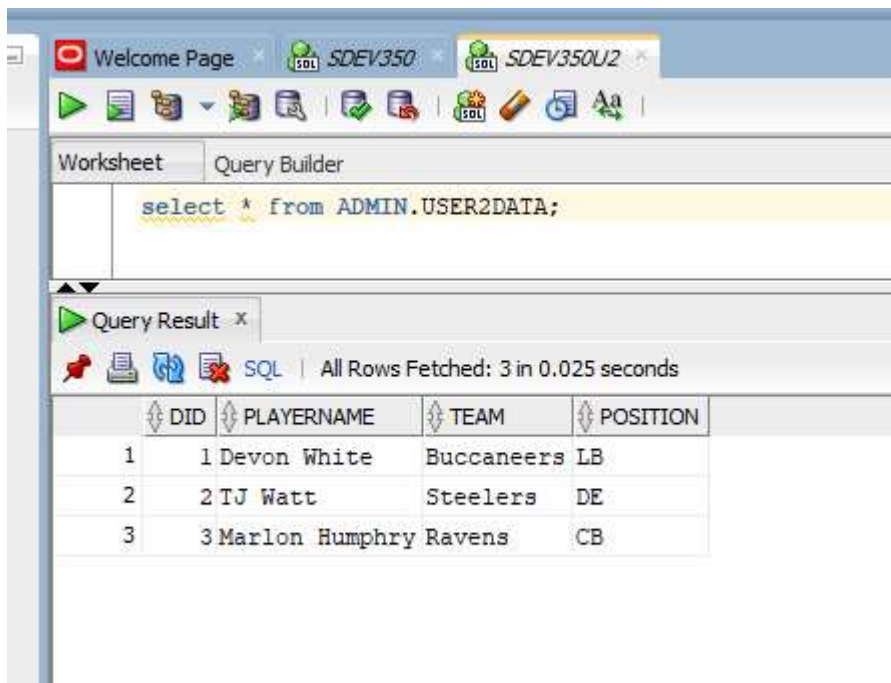


Figure 17, User 2 password expire error



A dialog box titled "Enter New Password" with a close button (X) in the top right corner. It contains four input fields: "Username:" with the text "U2DANBECK", "Current Password:" with masked characters "\*\*\*\*\*", "New Password:" with masked characters "\*\*\*\*\*", and "Confirm Password:" with masked characters "\*\*\*\*\*". At the bottom are three buttons: "Help", "OK", and "Cancel".

Figure 18, User 2 password reset



The screenshot shows a database application interface. At the top, there are tabs for "Welcome Page", "SDEV350", and "SDEV350U2". Below the tabs is a toolbar with various icons. The main area is divided into two sections: "Worksheet" and "Query Builder". The "Query Builder" section shows a SQL query: `select * from ADMIN.USER2DATA;`. Below the query is a "Query Result" section. It displays a table with 4 columns: "DID", "PLAYERNAME", "TEAM", and "POSITION". The table contains 3 rows of data. The status bar at the bottom indicates "All Rows Fetched: 3 in 0.025 seconds".

DID	PLAYERNAME	TEAM	POSITION
1	1 Devon White	Buccaneers	LB
2	2 TJ Watt	Steelers	DE
3	3 Marlon Humphry	Ravens	CB

Figure 19, User 2 select all from Admin table

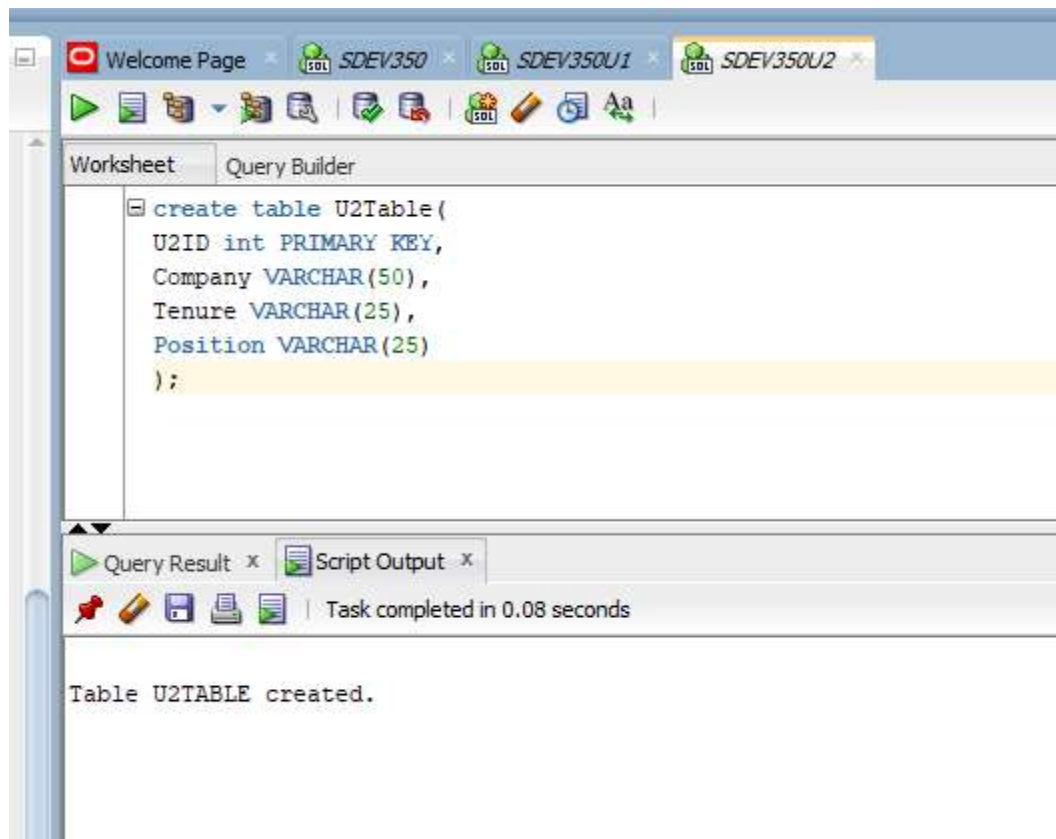


Figure 20, User 2 creating table

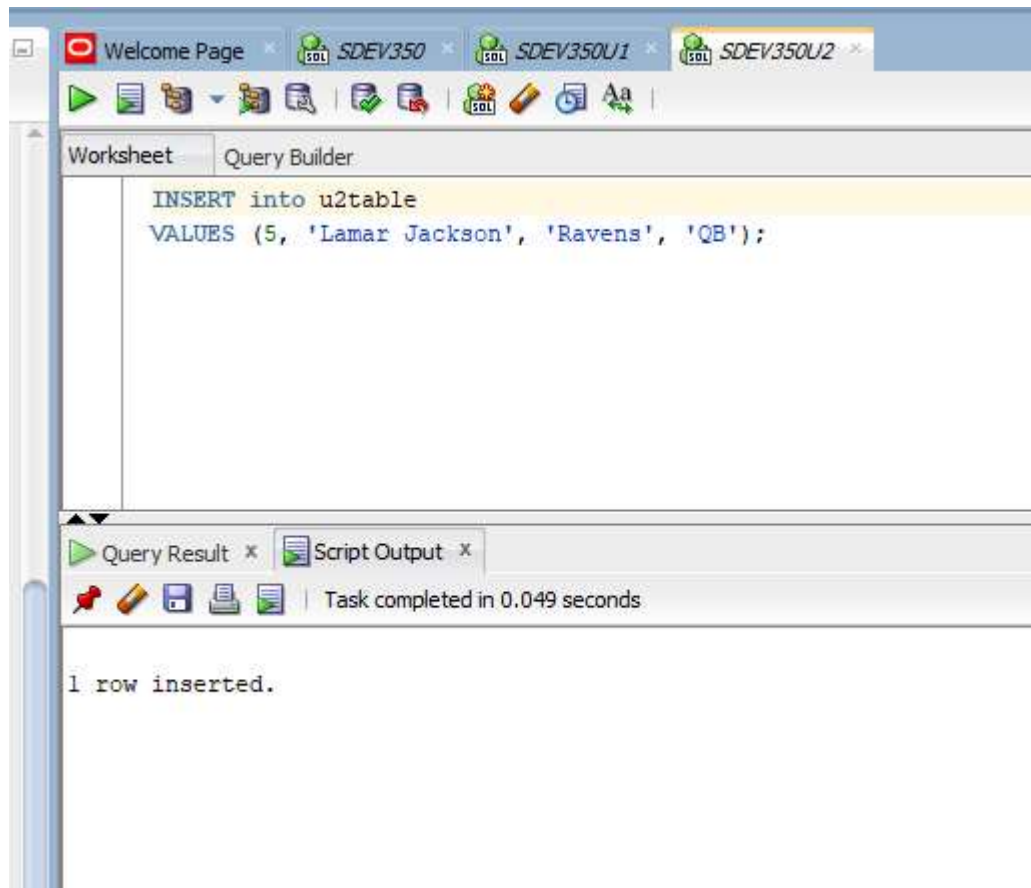


Figure 21, User 2 add entry to newly created table

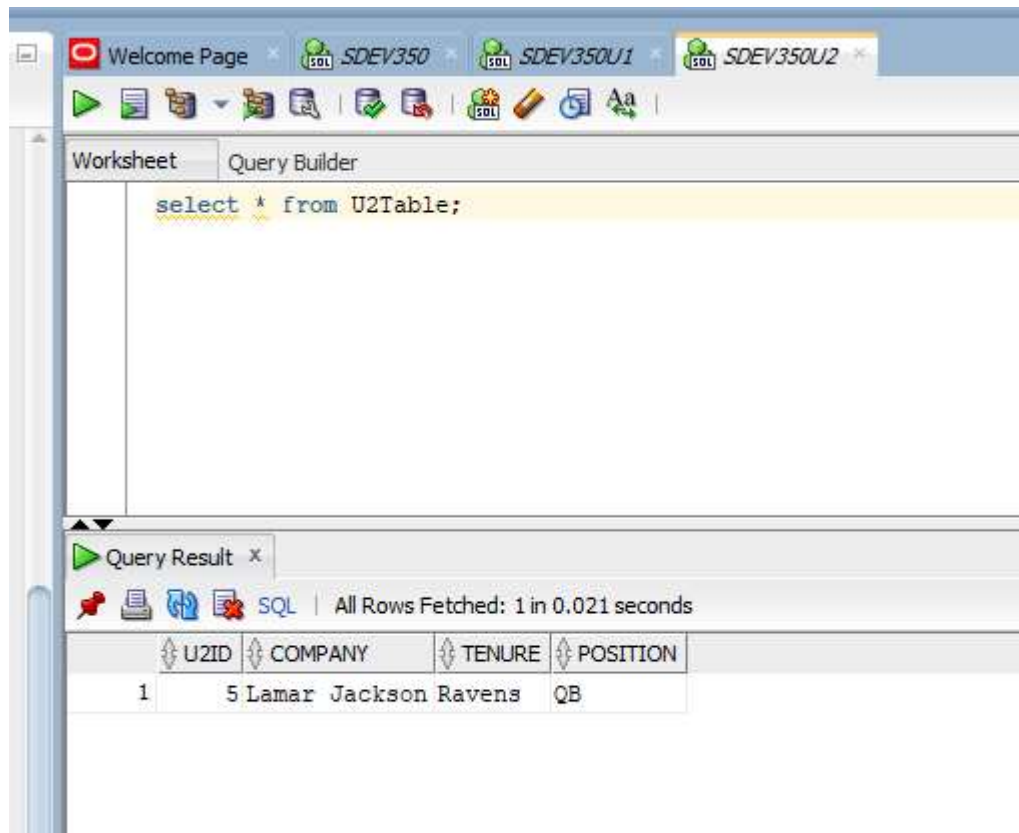


Figure 22, User 2 select all from newly created table

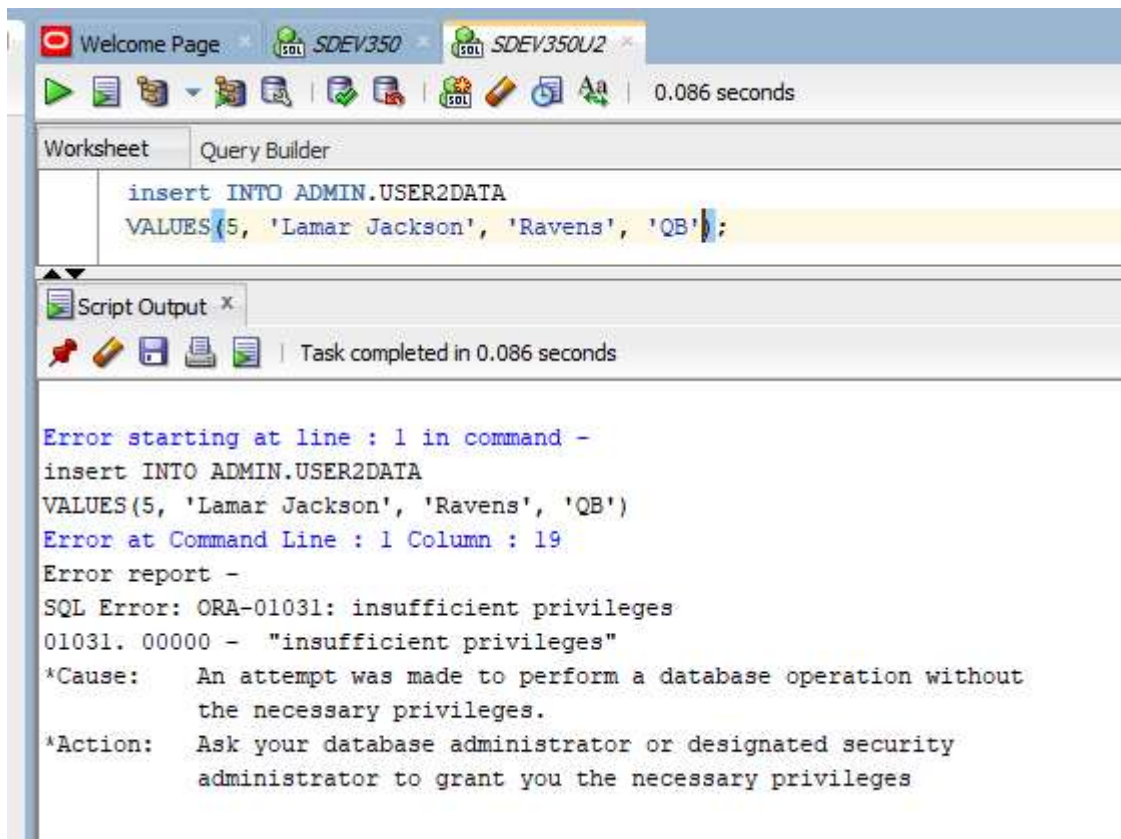


Figure 23, User 2 inserting into admin table without proper privileges



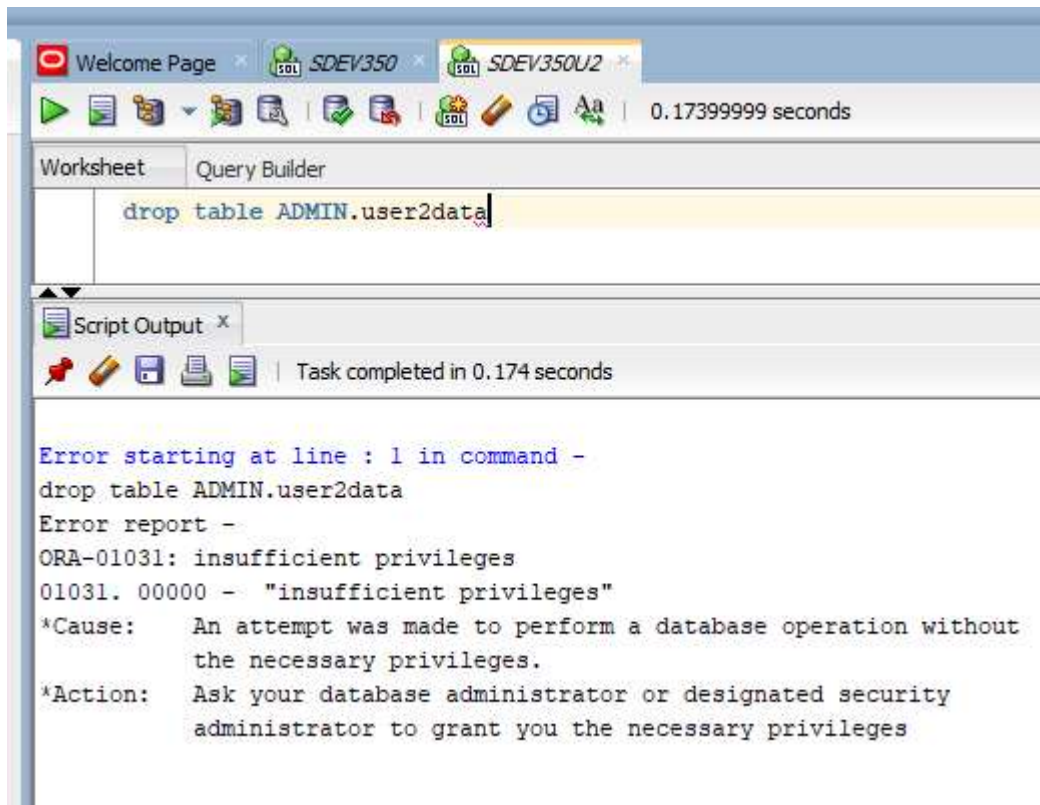


Figure 24, User 2 trying to drop an admin table without proper privileges