Sri Lanka Institute of Information Technology

Assignment – 2023

Database System Administration

IE2010

IT22365200 – RANGANA WIJESINGHE

12/02/2023

Part B

1. Log in to the Oracle server using sqlplus.

2. Run DBCA utility provided by Oracle to create a new pluggable database.
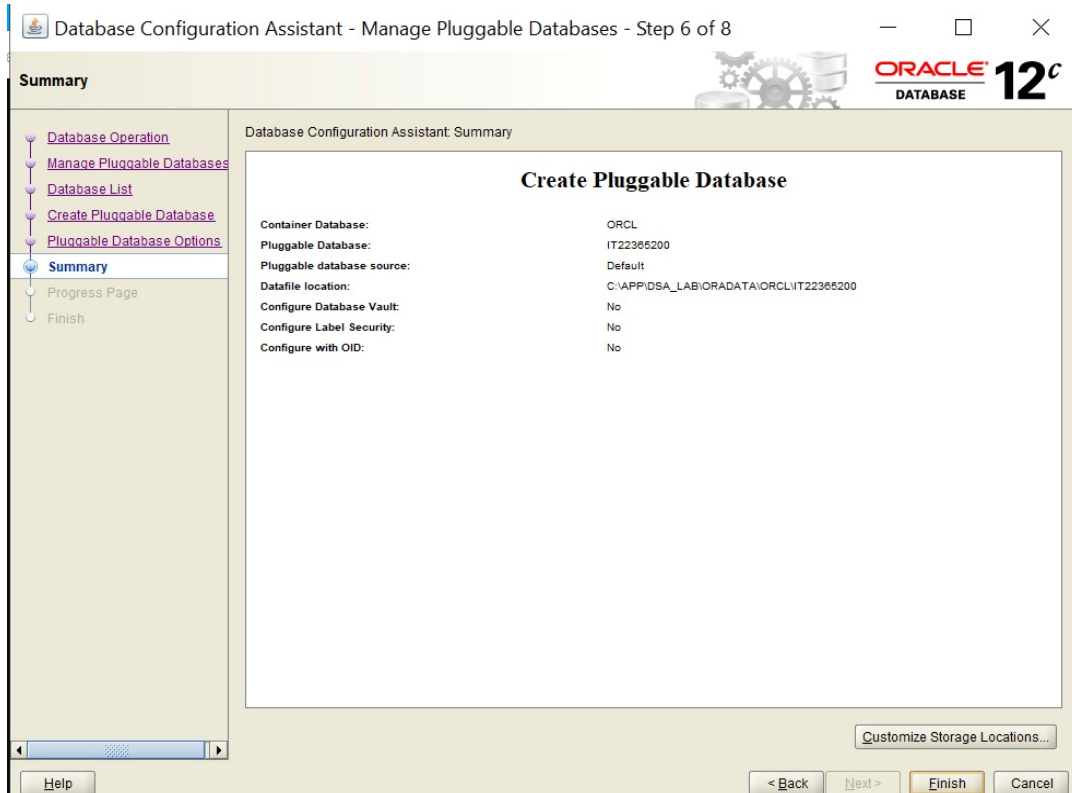
Part C

1. Create a profile.

```
Administrator: Command Prompt - sqlplus  / as sysdba

SQL> CREATE PROFILE Accountant1 LIMIT
  2  SESSIONS_PER_USER UNLIMITED
  3  CPU_PER_SESSION UNLIMITED
  4  CPU_PER_CALL 3000
  5  CONNECT_TIME 40
  6  logical_READS_PER_SESSION DEFAULT
  7   LOGICAL_READS_PER_CALL 1000
  8  PRIVATE_SGA 25K
  9  COMPOSITE_LIMIT 5000000
 10  FAILED_LOGIN_ATTEMPTS 3
 11  PASSWORD_LIFE_TIME 180
 12  PASSWORD_REUSE_TIME 30
 13   PASSWORD_REUSE_MAX 7
 14   PASSWORD_LOCK_TIME  1/24
 15  PASSWORD_GRACE_TIME  7
 16  PASSWORD_VERIFY_FUNCTION NULL;

Profile created.
```

2. Create default table space.

```
SQL> create tablespace Maleesha1TS
  2  DATAFILE 'Maleesha1_perm.dat'
  3  SIZE 100M
  4  REUSE
  5  AUTOEXTEND ON NEXT 10M MAXSIZE 200M;

Tablespace created.
```
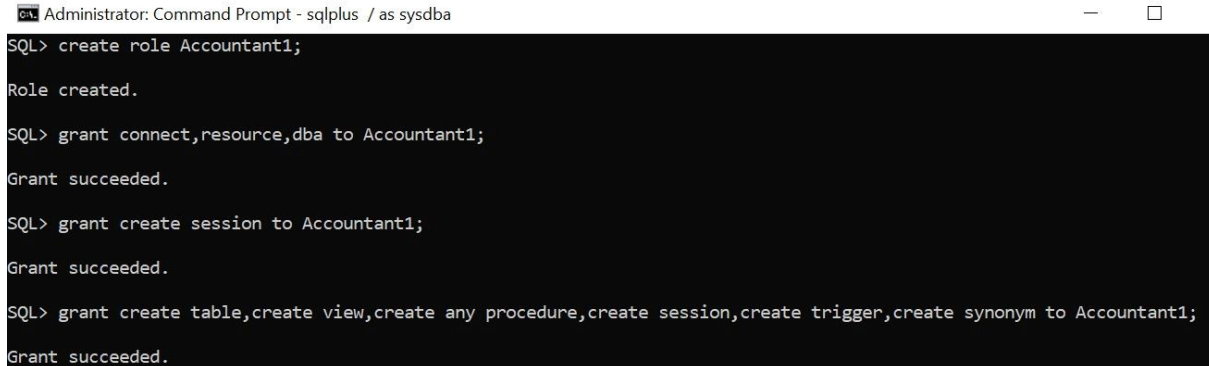
3. Create temporary table space

```
SQL> create temporary tablespace Maleesha1TEMP
  2   TEMPFILE 'Maleesha1_temp.dbf'
  3   SIZE 10M
  4   AUTOEXTEND ON;

Tablespace created.
```

4. Create role.

```
Administrator: Command Prompt - sqlplus / as sysdba                           —    □    ×
SQL> create role Accountant1;

Role created.

SQL> grant connect,resource,dba to Accountant1;

Grant succeeded.

SQL> grant create session to Accountant1;

Grant succeeded.

SQL> grant create table,create view,create any procedure,create session,create trigger,create synonym to Accountant1;

Grant succeeded.
```

5. Create user
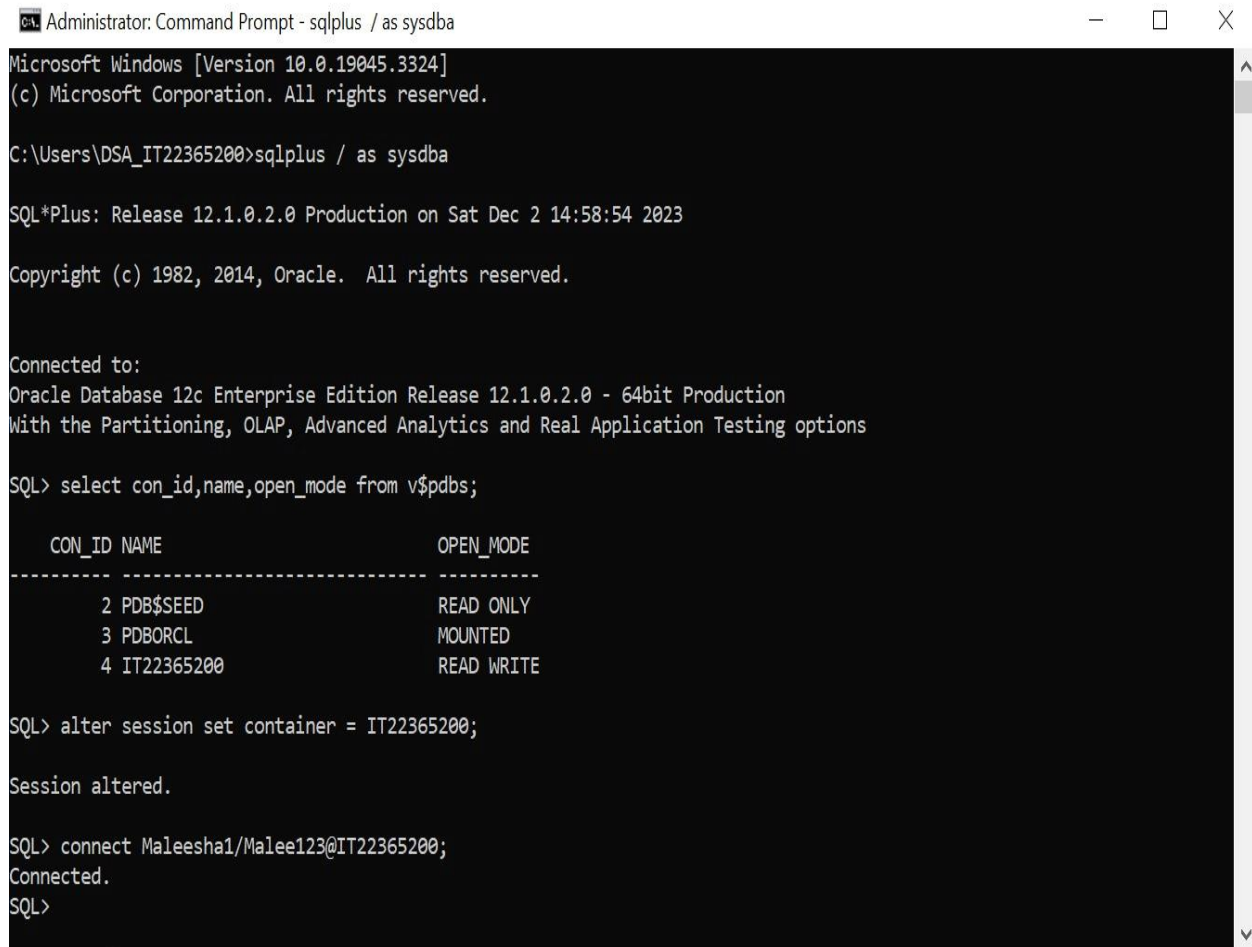
```
SQL>
SQL> CREATE USER Maleesha1 IDENTIFIED BY Malee123
  2   DEFAULT TABLESPACE Maleesha1TS
  3   TEMPORARY TABLESPACE Maleesha1TEMP
  4   QUOTA 50M ON Maleesha1TS
  5   PROFILE Accountant1;

User created.

SQL> grant Accountant1 to Maleesha1;

Grant succeeded.
```

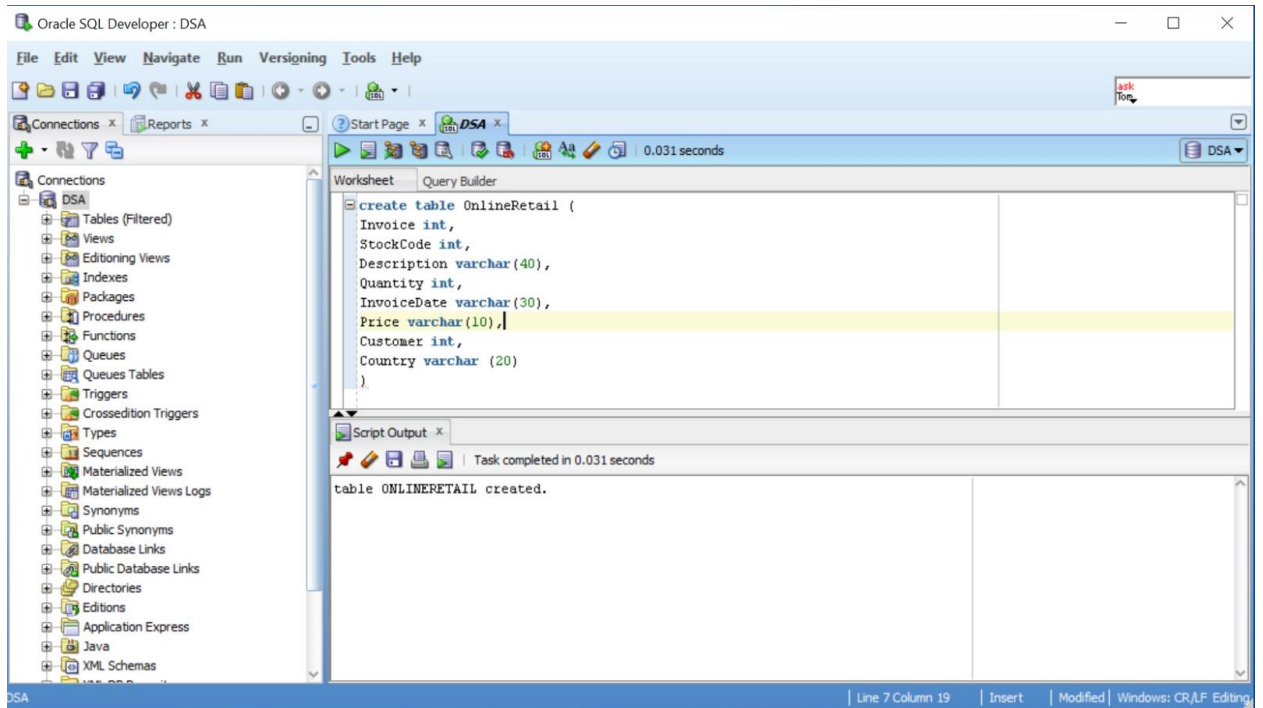6. Connect to the user account.

Part D

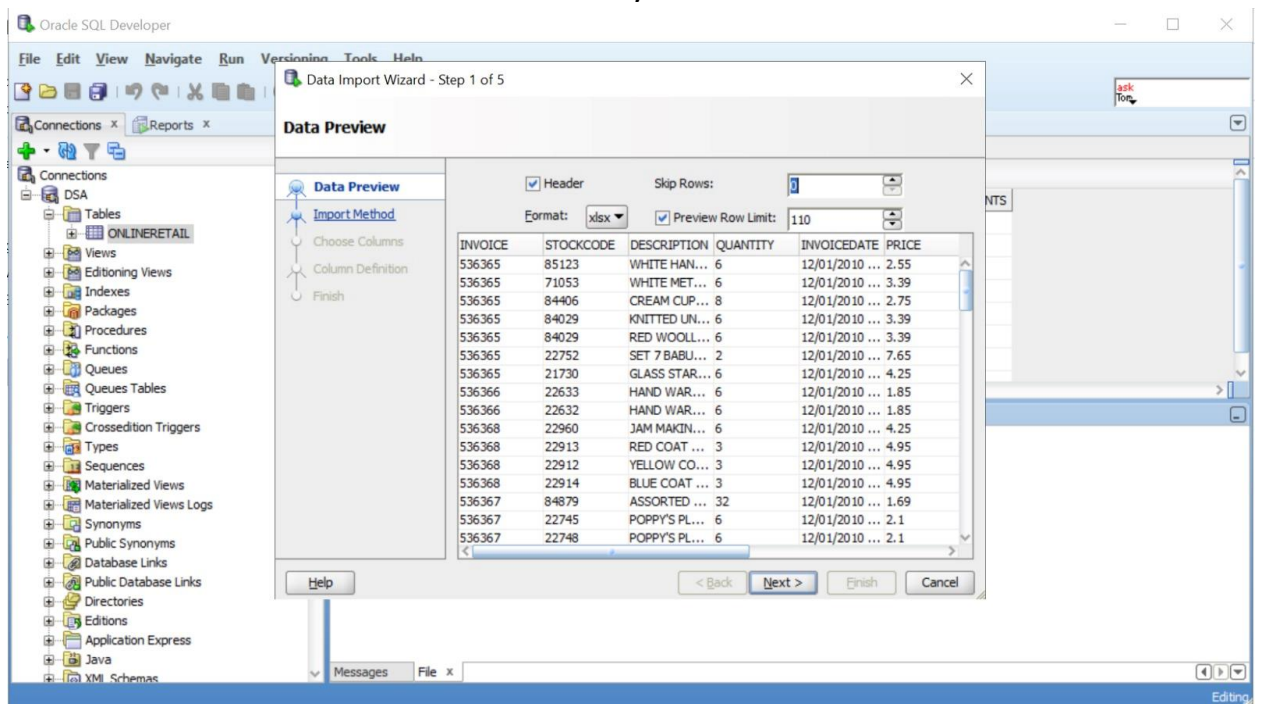1. Create Database connection in SQL developer.
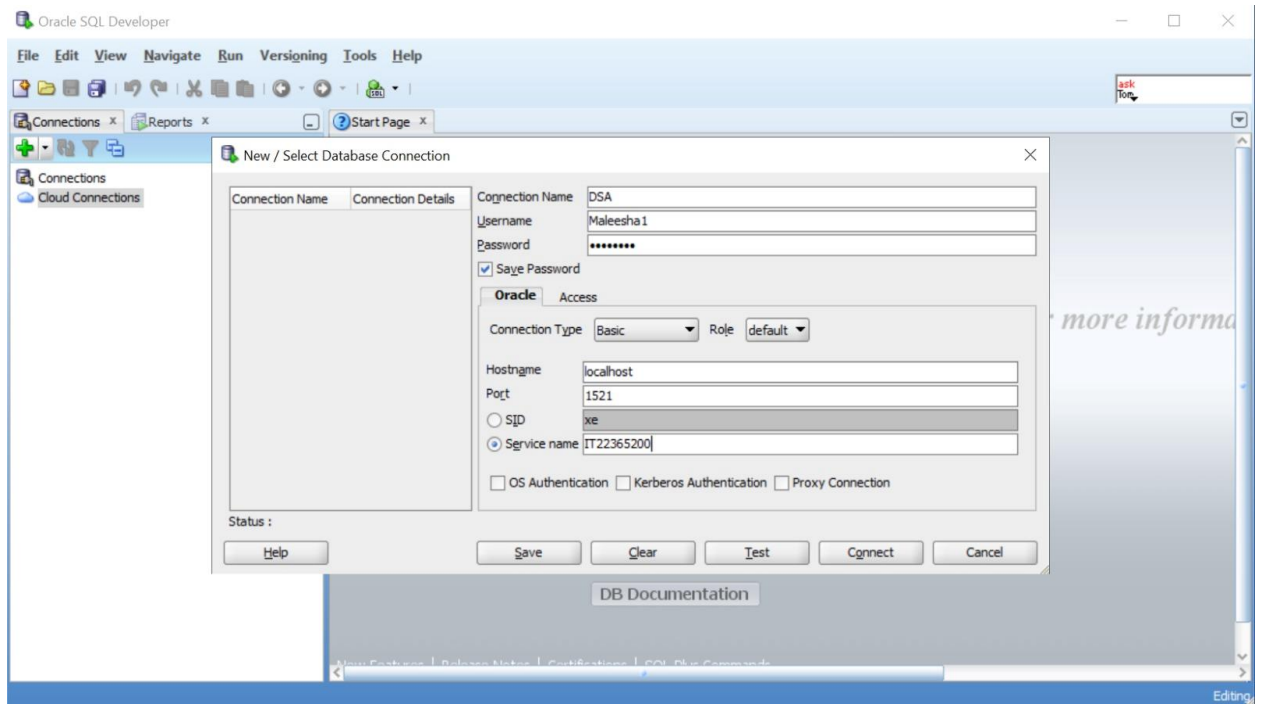
2. Check whether the user created in part C is available in the users list
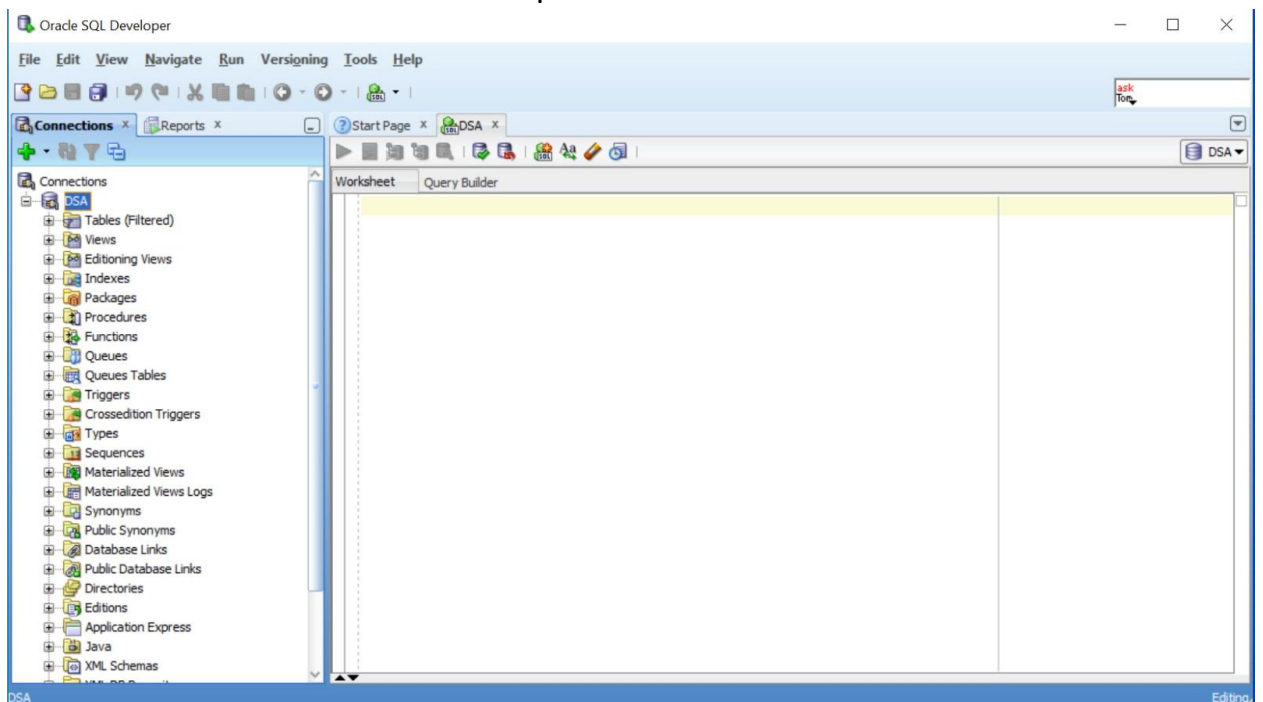
3. Create a new table to save the "OnlineRetail" dataset.

4. . Load the OnlineRetail data into the newly created table.

4.1 After importing Data file.

5. . Create an index to the table based on the "Price" column in the data sheet.