

Lab: Preparing to Use Oracle SQL

Introduction

Over the next couple of weeks, you will practice SQL. You are being provided with a database script to create a sample database. To create it you must first save the script file to your UNIX account before you can run the script file. Below is a series of steps for you to follow in order to create the database. This exercise serves as practice for creating the Pet database.

Preparation

Step 1: Download the script file to your local machine

1. Login to Blackboard and navigate to the SQL folder under Course Content
2. Open this link and save the file "createStudent.sql" to your local machine or flash drive

Step 2: Install File transfer software if needed

If you are completing this assignment at home you should download an application which will permit you to upload files from your local machine to UNIX. One such application is WinSCP (this is the software application you will use if you are in a CS lab in RTC on the main campus)

1. Using the Internet, google for a free download of WinSCP and download to your home computer
2. If you are using a Mac computer then you should download FileZilla or another file transfer software designed for Macs

Step 3: Download software to allow you to connect to UNIX

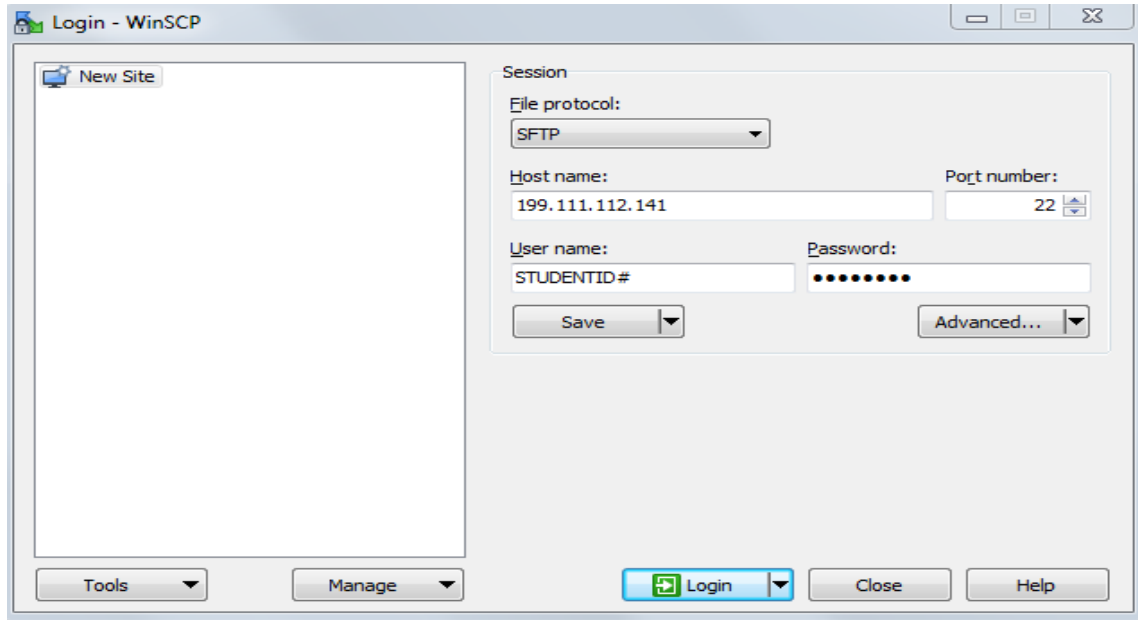
In order to connect to your UNIX account from your Windows machine you need some software which will allow you to connect to UNIX. We will use a program called "putty" to allow us to do this.

1. Using the Internet, Google for a free download of the software called "putty" and download to home computer.

File Transfer

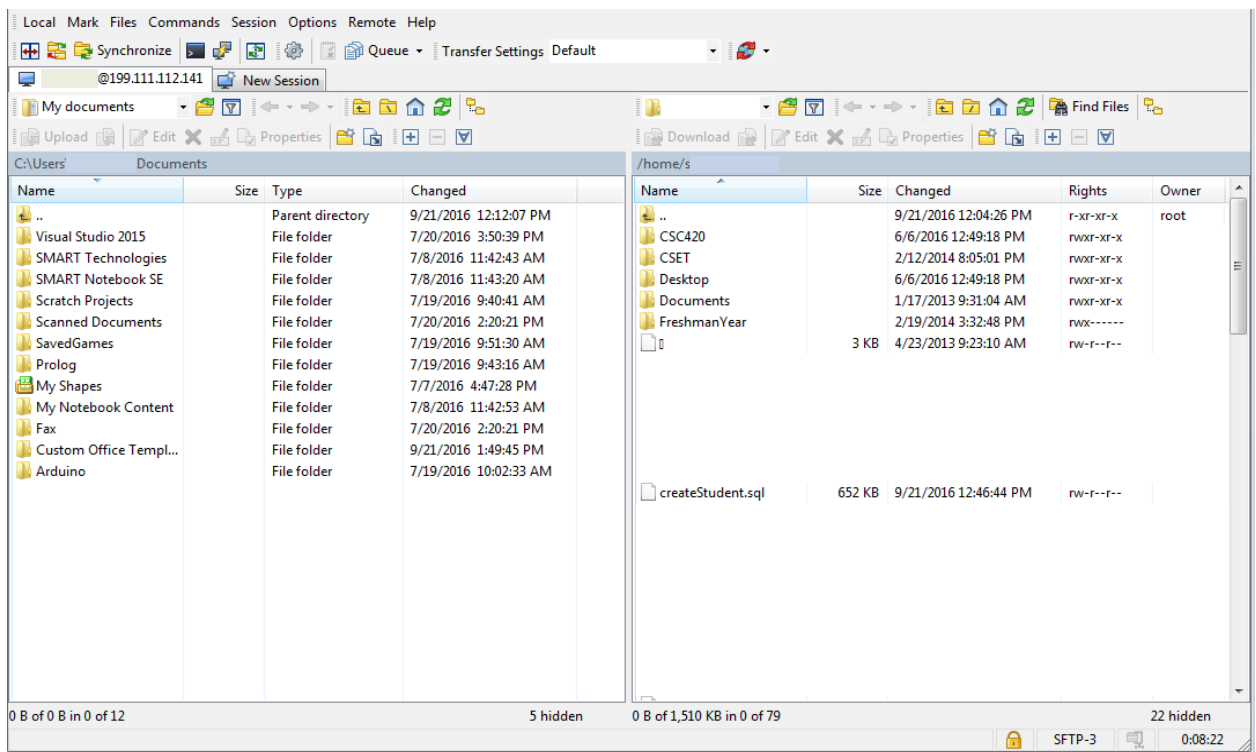
Step 1: Transfer the script file from your local machine to UNIX

1. Open the putty software to start the login process to your UNIX account
2. Enter 199.111.112.141 in the IP address and press Open
3. At the "login as" prompt enter your username which is: S+7digit student ID
4. When prompted enter your password which is first 2 letters of first name + first 2 letters of last name +last 4 digits of student id
 - a. ex.
student name : John Smith
id : 1234567
username : s1234567
password : josm4567



Step 2: Transfer file from local machine to UNIX account

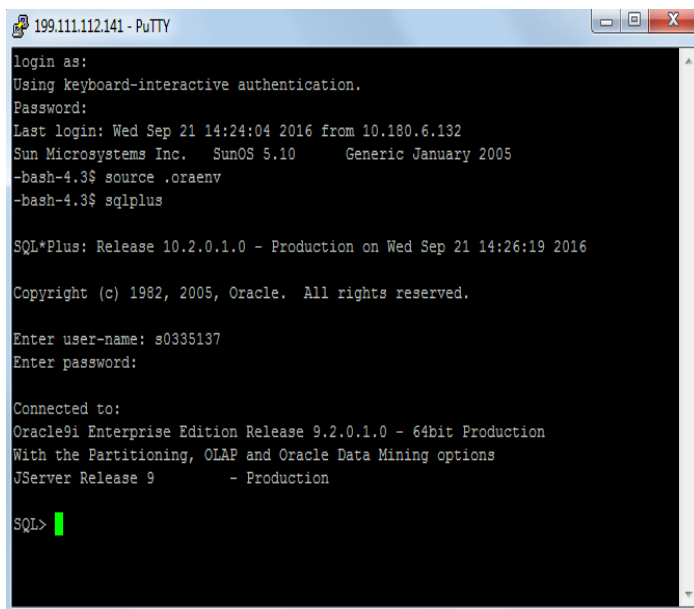
1. From the Start button select WinSCP.
2. The screen will be divided into 2 columns, the column on the left is your local machine and the column on the right is the UNIX machine
3. Locate the createStudent.sql file on your local machine and drag to your UNIX account. Below is the screenshot to show you.



Run the script file

In this step you will run the sql script file which will copy the Student database (described in the schema) to your UNIX account

1. Log in to UNIX using putty (if you are not already there)
2. To enter the oracle environment type ***source .oraenv (source .oraenv) type the dot***
3. To enter the SQL environment type ***sqlplus*** at the prompt
4. When prompted enter your username and password



```
199.111.112.141 - PuTTY
login as:
Using keyboard-interactive authentication.
Password:
Last login: Wed Sep 21 14:24:04 2016 from 10.180.6.132
Sun Microsystems Inc. SunOS 5.10 Generic January 2005
-bash-4.3$ source .oraenv
-bash-4.3$ sqlplus

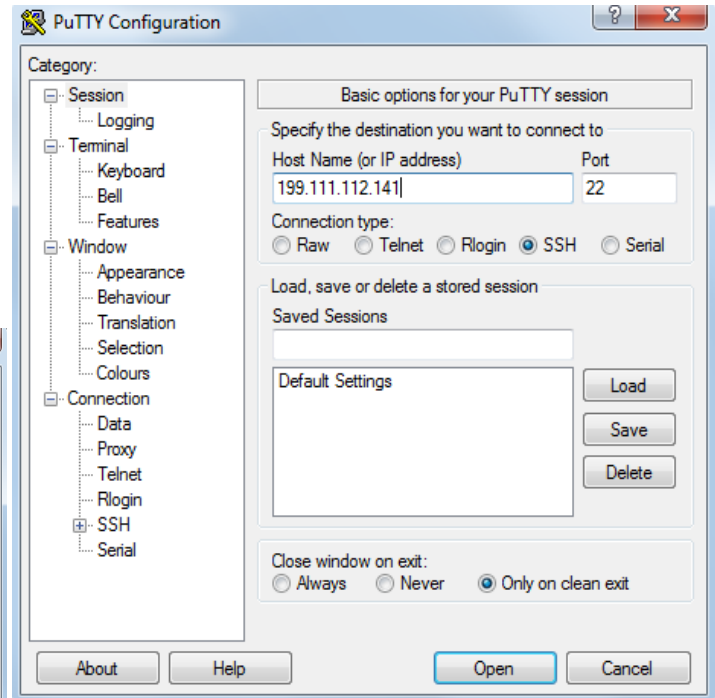
SQL*Plus: Release 10.2.0.1.0 - Production on Wed Sep 21 14:26:19 2016

Copyright (c) 1982, 2005, Oracle. All rights reserved.

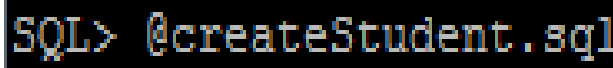
Enter user-name: s0335137
Enter password:

Connected to:
Oracle9i Enterprise Edition Release 9.2.0.1.0 - 64bit Production
With the Partitioning, OLAP and Oracle Data Mining options
JServer Release 9 - Production

SQL>
```

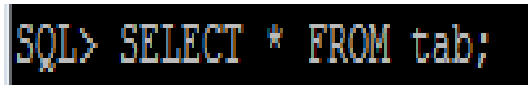


5. Run the script file by typing ***@createStudent.sql*** (it will take a few minutes for the files to download).



```
SQL> @createStudent.sql
```

6. To view a listing of the files type ***select * from tab;*** at the sqlplus prompt.



```
SQL> SELECT * FROM tab;
```

7. Perform a print screen of the results of the command in step 6, and paste the screen into a Word File
8. Submit the word file to the assignment tab;

You have just practiced how to run a sql script file and are ready to create the Pet Database.