CPRG 250
Lab Module 1
Installing Oracle and Loading the JustLee, ICCC, and WGB Databases

Exercise Objectives
Here is what you will be able to do when you complete each objective:

- **Install and configure the Oracle 18C Express Edition**
- **Install the JustLee, WGB and ICCC Databases**
- **Verify the installation**

Exercise Tasks

1. Install Oracle 18c

Download

Go to Oracle Corporation®'s website and download the software file for Oracle 18c Express Edition (you can choose to download the software for Linux or Windows).

https://www.oracle.com/technetwork/database/database-technologies/express-edition/downloads/index.html

If you do not yet have an account on the Oracle website, this is when you can create one.

Pre-Installation

In order to install this software, your Windows user must be part of the *Administrator* group.

Installation Instructions

Step 1:
Unzip the downloaded file (unzip to a separate folder).

Step 2:
Double-click on the *setup.exe* file as shown in Figure 1.

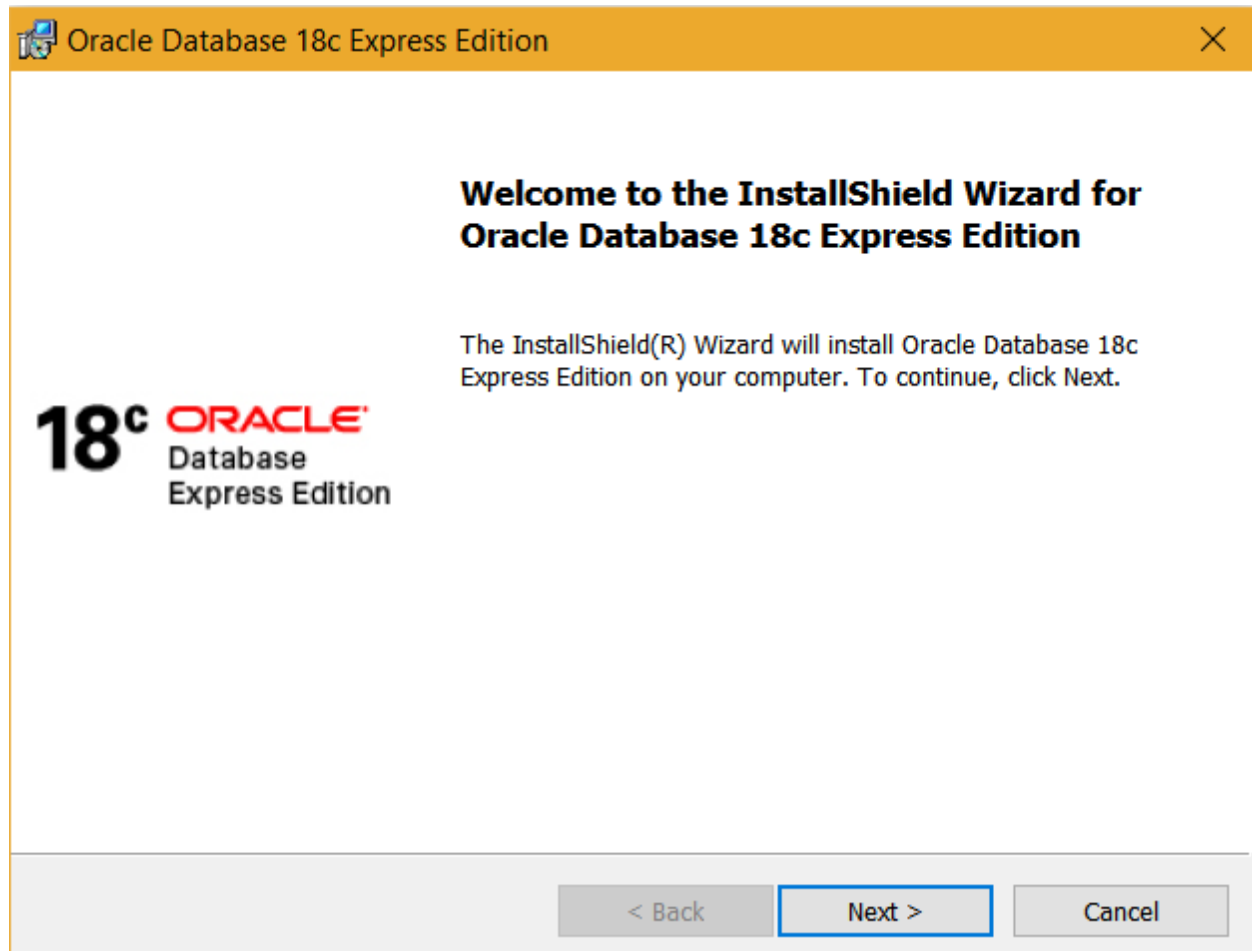|			
Oracle Database 18c Express Edition.msi	2019-02-08 7:06 PM	Windows Installer ...	12,617 KB
setup.exe	2019-02-08 7:05 PM	Application	1,533 KB
Setup.ini	2019-02-08 6:35 PM	Configuration setti...	6 KB

Figure 1

Step 3:
Click *Next* on the introduction screen as shown in Figure 2.

Figure 2: Oracle 18c Express Edition (Copyright © 1995, 2018, Oracle and/or its affiliates. All rights reserved.)
Used with permission from Oracle Corporation based on copyright statement located at https://www.oracle.com/ca-en/legal/copyright.html

Step 4:
Completely read the terms of the license agreement.

When done, select *I accept the terms in the license agreement* and then click *Next* on the License Agreement screen as shown in Figure 3.
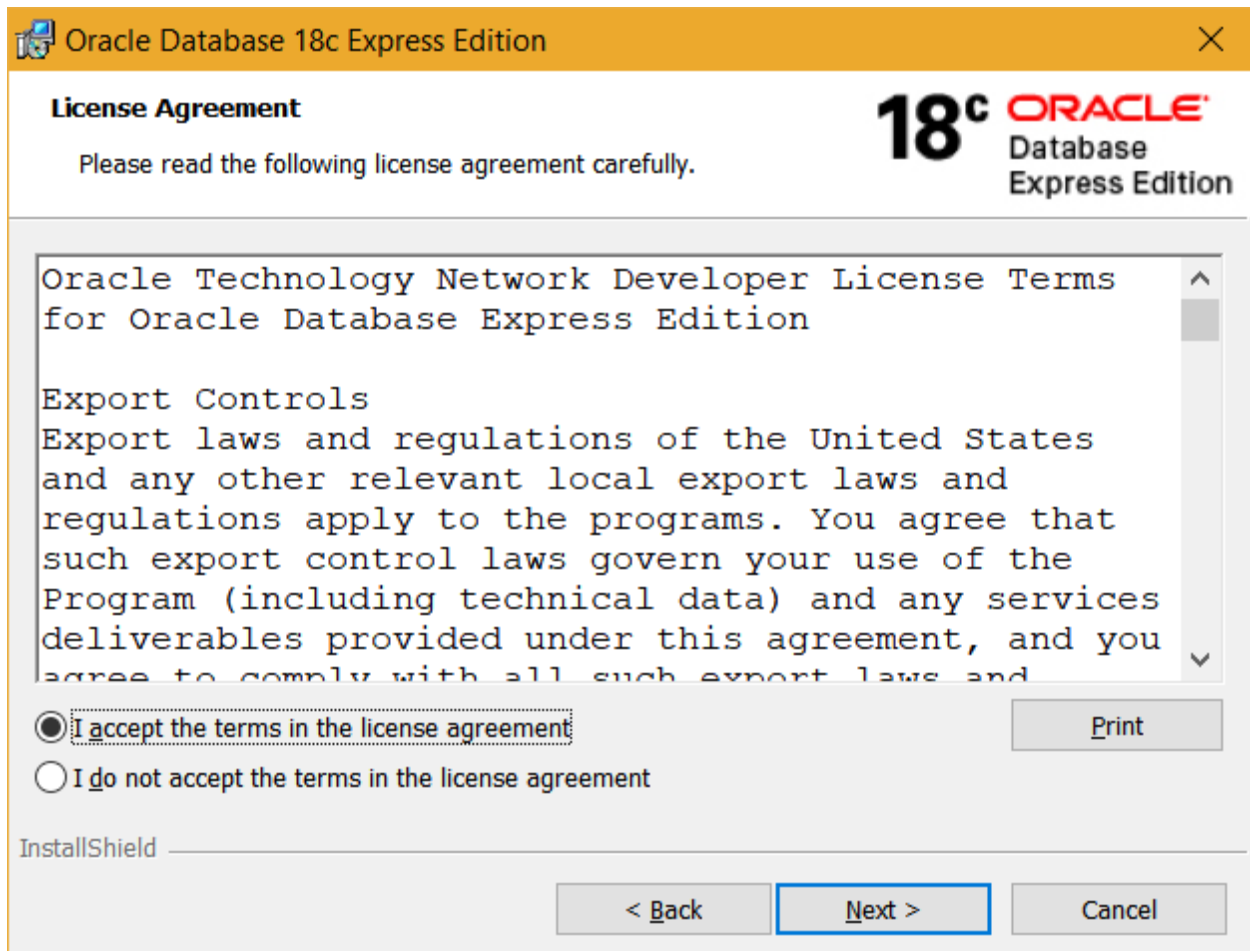

Figure 3: Oracle 18c Express Edition (Copyright © 1995, 2018, Oracle and/or its affiliates. All rights reserved.)
Used with permission from Oracle Corporation based on copyright statement located at https://www.oracle.com/ca-en/legal/copyright.html

Step 5:
Identify the location you wish to install the software (or go with the identified default)

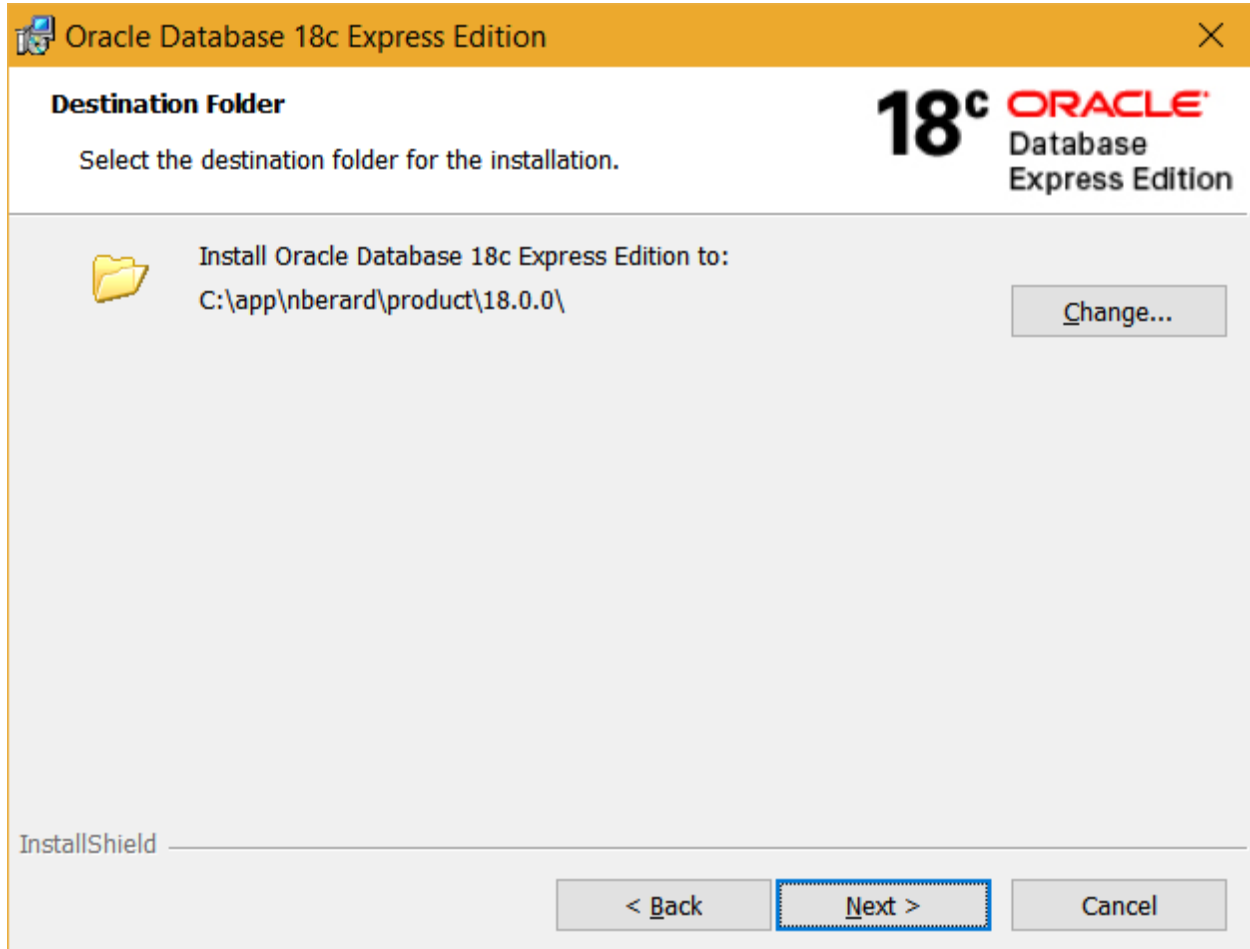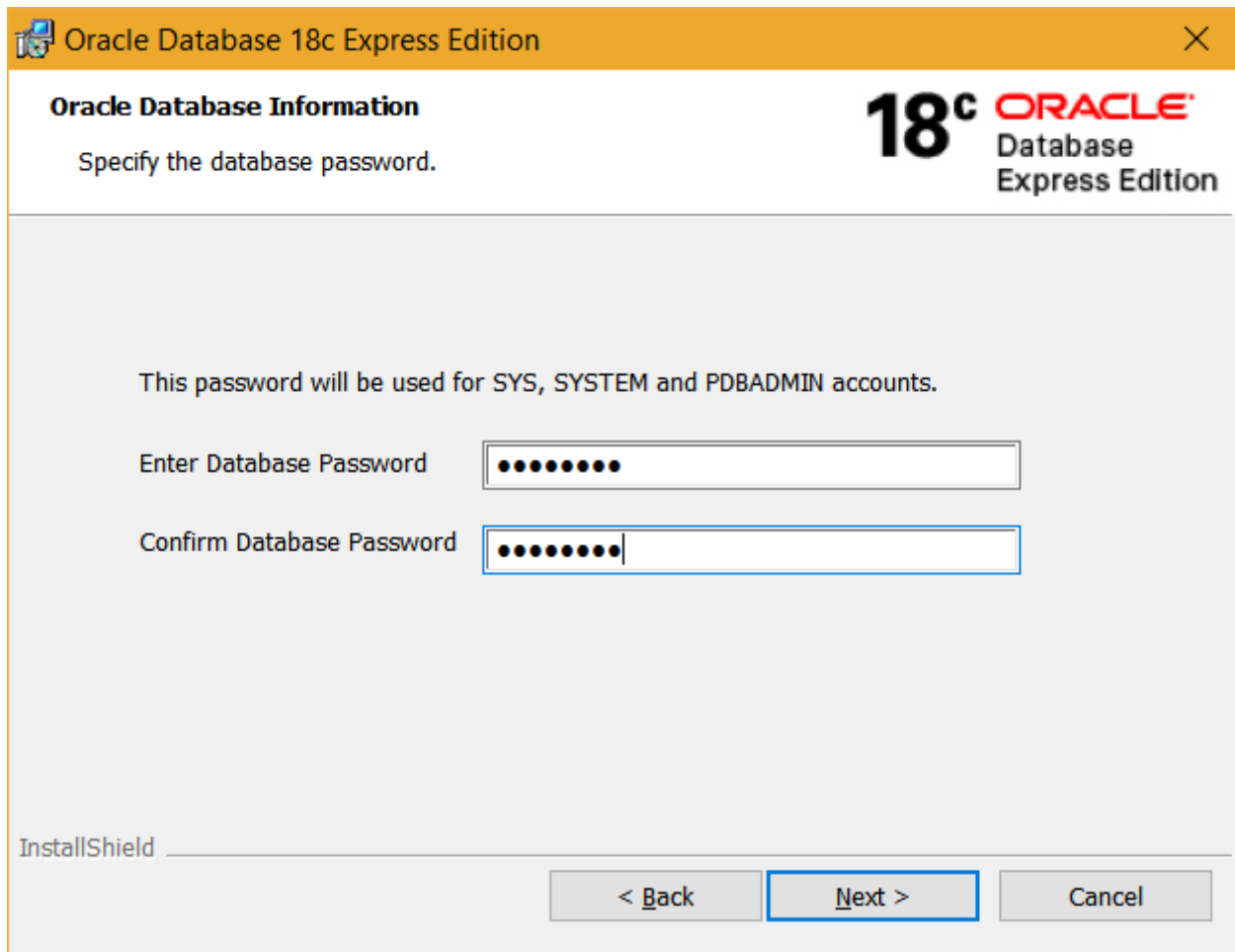**Click *Next* on the Destination Folder screen as shown in Figure 4.**

Step 6:
Enter the password for the administrative user accounts created during installation.
Remember the password you choose.

Click *Next* on the Oracle Database Information screen as shown in Figure 5.

Step 7:
Review your settings and then click *Install* on the Summary screen as shown in Figure 6.

Figure 6: **Oracle 18c Express Edition (Copyright © 1995, 2018, Oracle and/or its affiliates. All rights reserved.)**
Used with permission from Oracle Corporation based on copyright statement located at https://www.oracle.com/ca-en/legal/copyright.html

Step 8:
Installation will take approximately 10 – 15 minutes and the status of this installation will be shown similarly to Figure 7.
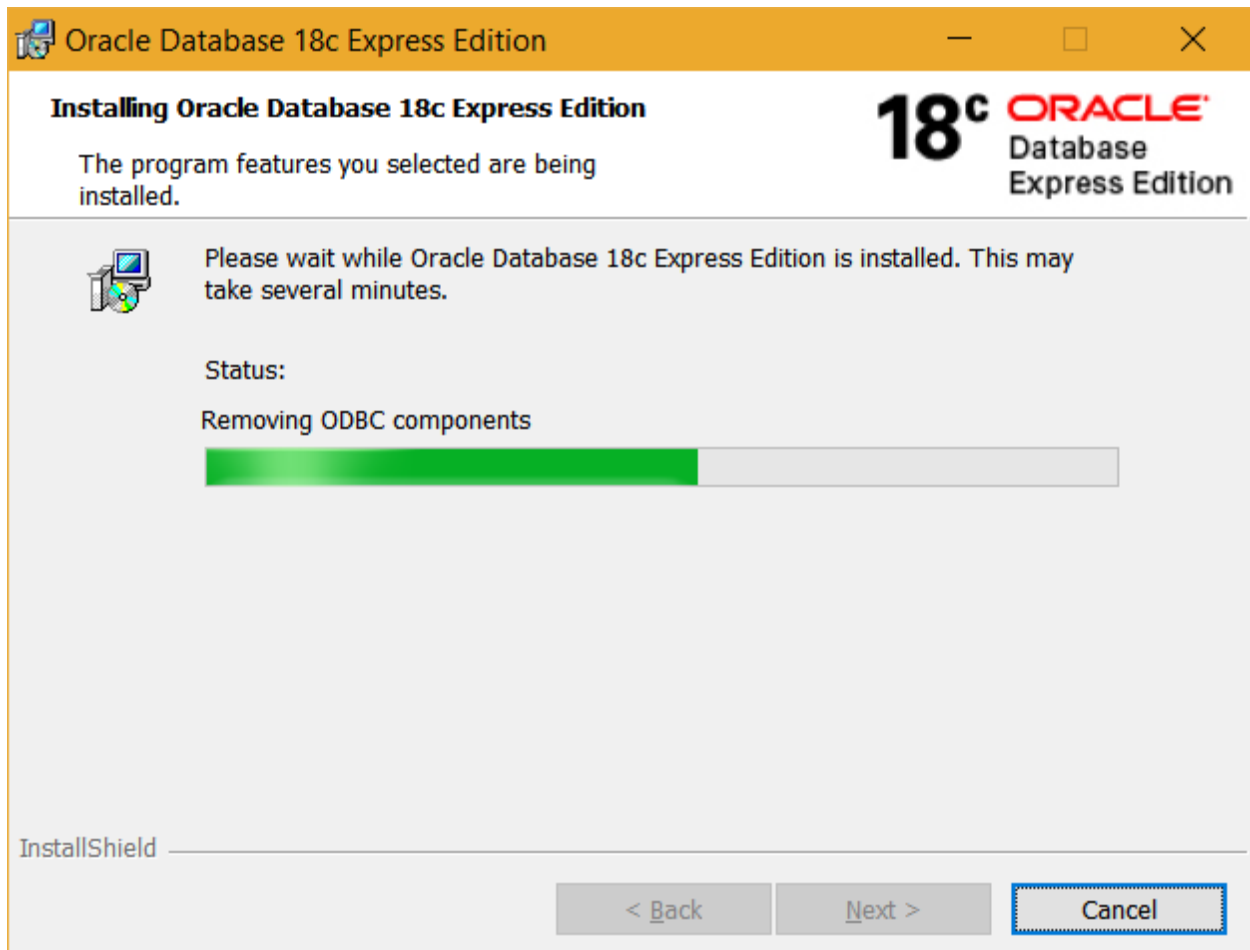
Step 9:
Installation is complete.

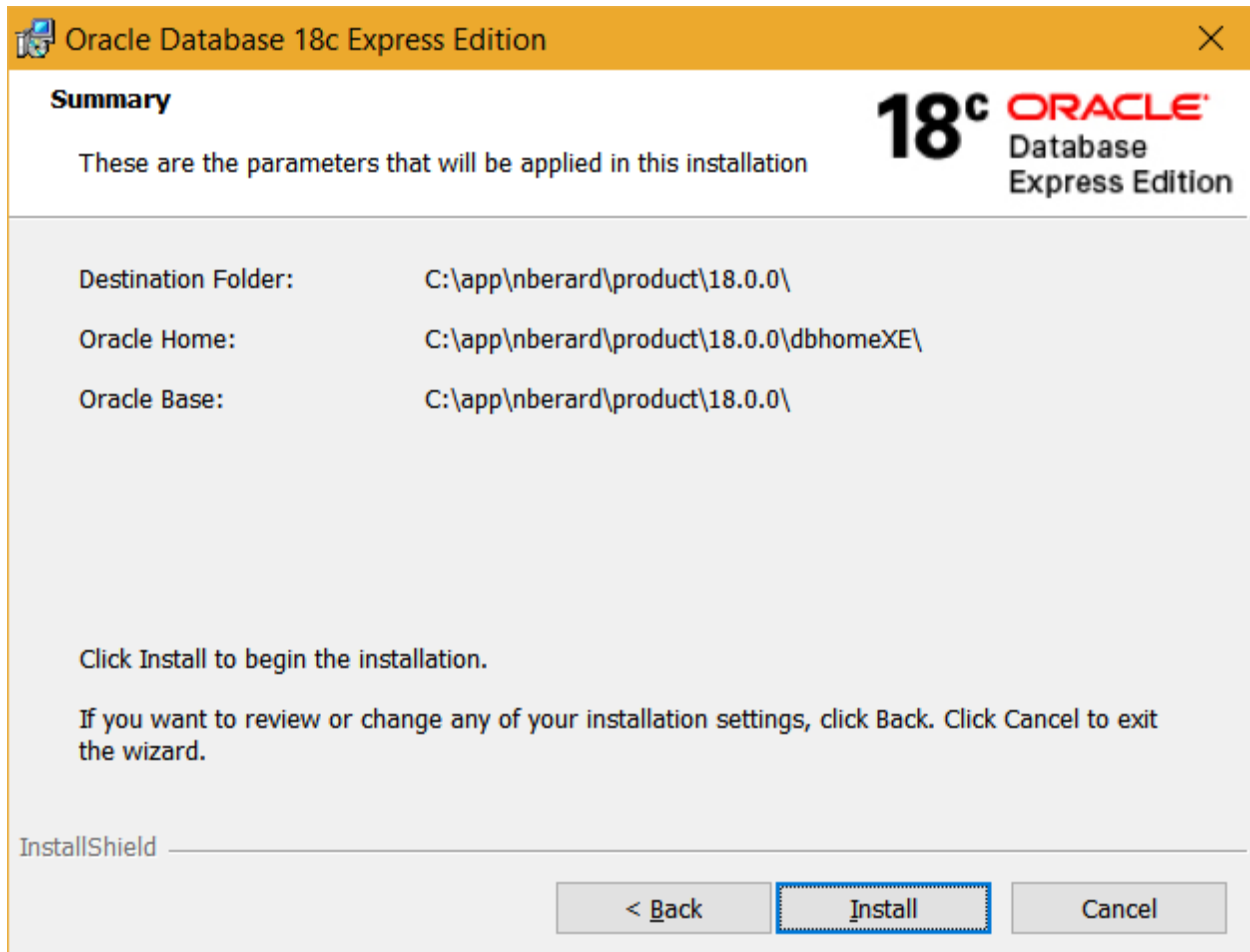**Click *Finish* as shown in Figure 8.**
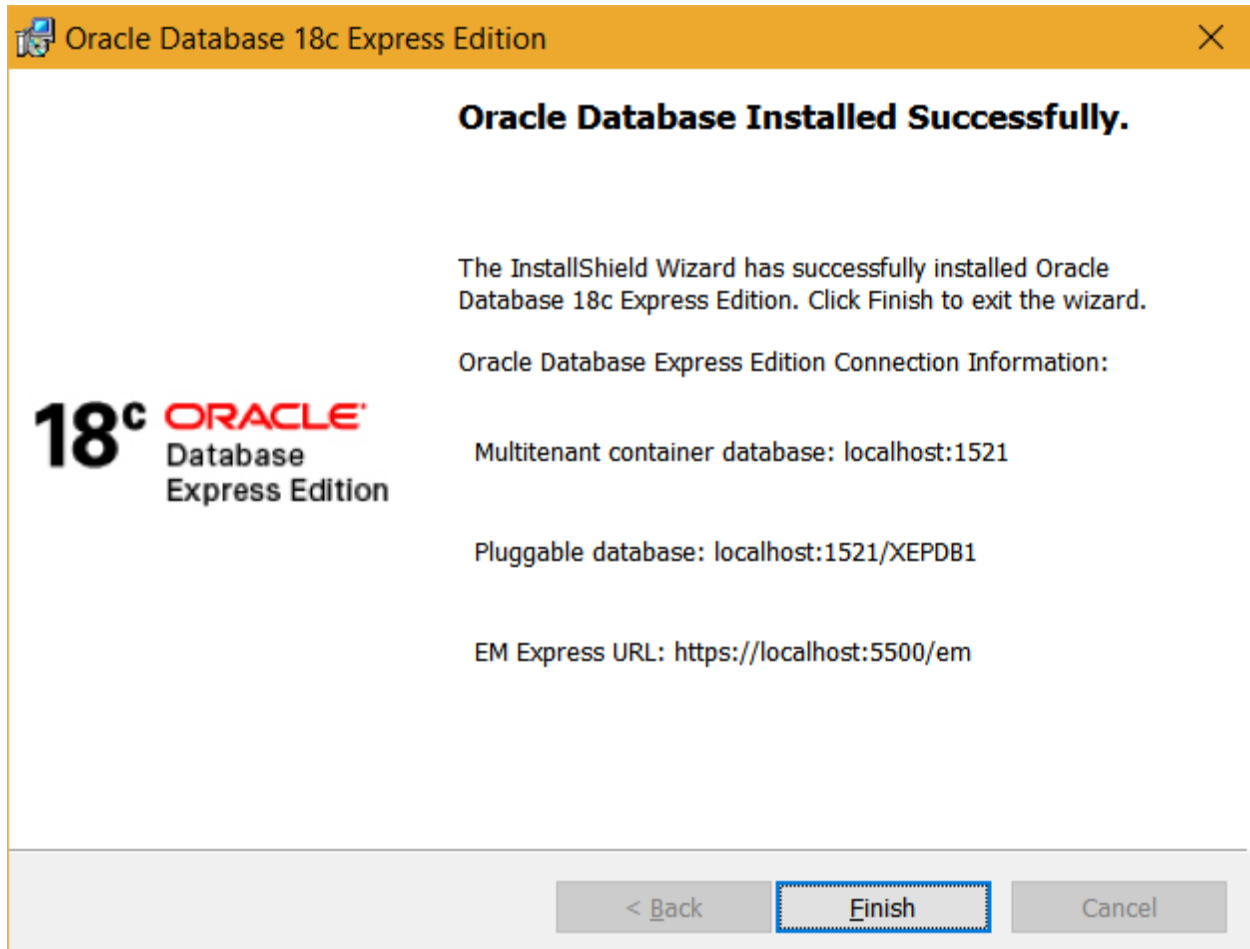
Figure 8: Oracle 18c Express Edition (Copyright © 1995, 2018, Oracle and/or its affiliates. All rights reserved.)
Used with permission from Oracle Corporation based on copyright statement located at https://www.oracle.com/ca-en/legal/copyright.html

2. OPEN SQL*Plus.

Located in the Oracle Database 18c Express folder off of the start menu.
Write in the search bar CMD, then write SQLPLUS.

Download the files new_user.sql and build_JLDB.sql into a new directory called:
   c:\cprg250\Module1

☐ 3. CONNECT to the system account. Even though you see a SQL prompt, you are not connected to the database yet.

  Command: connect sys
  Use the password you defined when installing the software.

EXECUTE the new_user.sql script to create a new user.

SQL> start c:\cprg250\Module1\new_user.sql

  This will create the CPRG250 user account which you will use throughout the remainder of the course.

☐ 4. Connect to the CPRG250 account.
  SQL> connect cprg250
  SQL> Password: password

Using SQL*Plus and installing Database

5. Load the Just Lee Database (used in class and for the Labs)
  Login into learn.sait.ca
    o **Go to the JustLee Database scripts**
      Content->Course Resources->Database->Just Lee
    o **Save the file build_JLDB.sql into to the shared folder (c:\CPRG250)**
    o **Run the script**
6. Load the Ivy Covered Community College (used for the
  lab midterm) Execute the following tasks:
    o **Login into learn.sait.ca**
    o **Go to the ICCC Database scripts**
      Content->Course Resources->Database->Ivy Covered Community College
    o **Unzip the files in Windows and copy over the file to the shared folder (c:\CPRG250)**
    o **Run the scripts in the order defined by the README file**
7. Load the Walnut Grove Bank Database (used for the
  assignments) Execute the following tasks:
    o **Login into learn.sait.ca**
    o **Go to the WGB Database scripts**
      Content->Course Resources->Database->WGB
    o **Unzip the files in Windows and copy over the file to the shared folder (c:\CPRG250)**
    o **Run the scripts in the order defined by the README file**

8. Download and run the test script provided within Lab Model 1 on D2L (mod1lab.sql) to verify that all the database have been properly loaded. You should see results for ALL three databases.

9. Find your spool file (mod1labspool.txt) and submit it via D2L as proof that your database has been correctly loaded.