

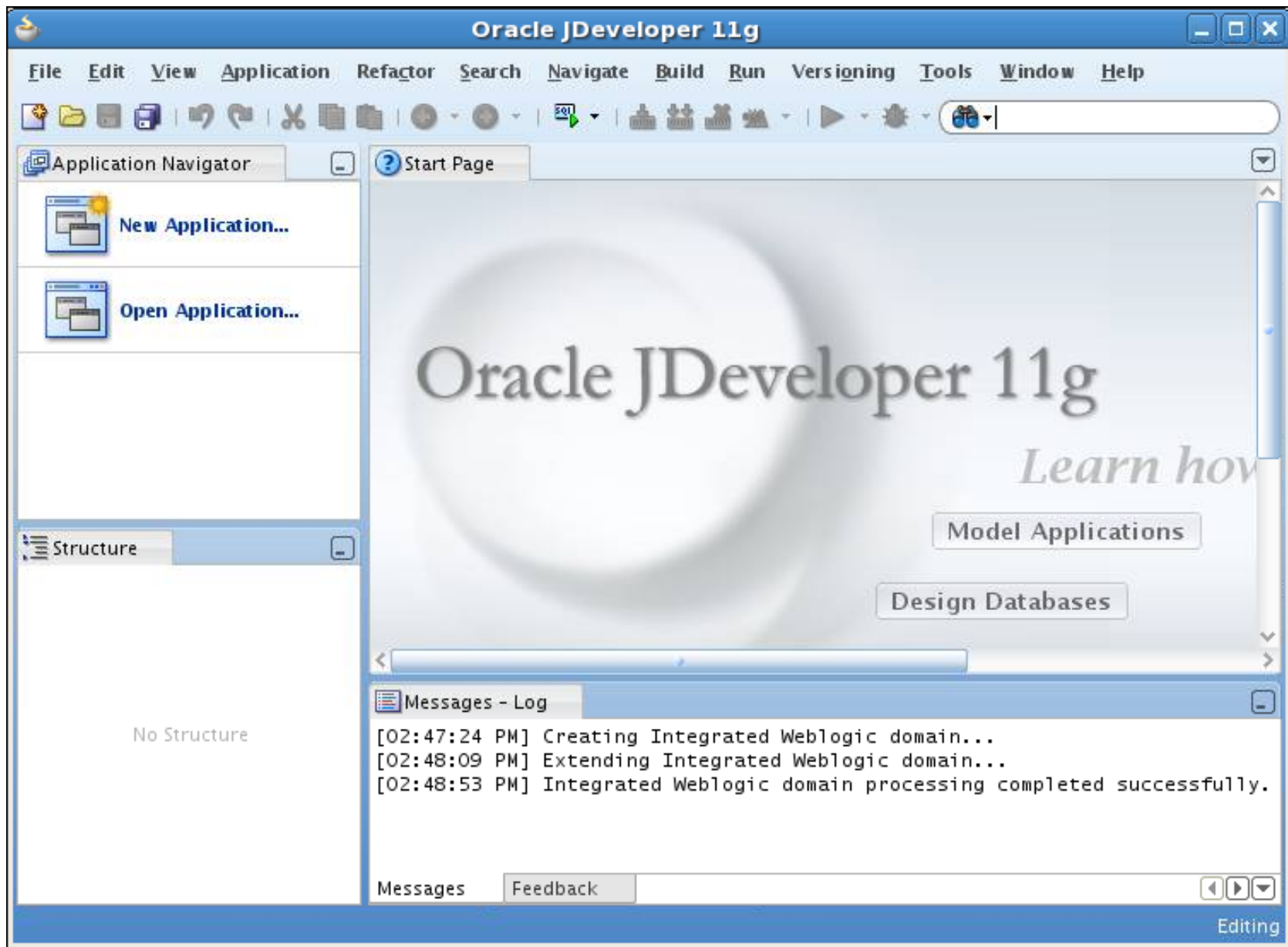
Using JDeveloper

Objectives

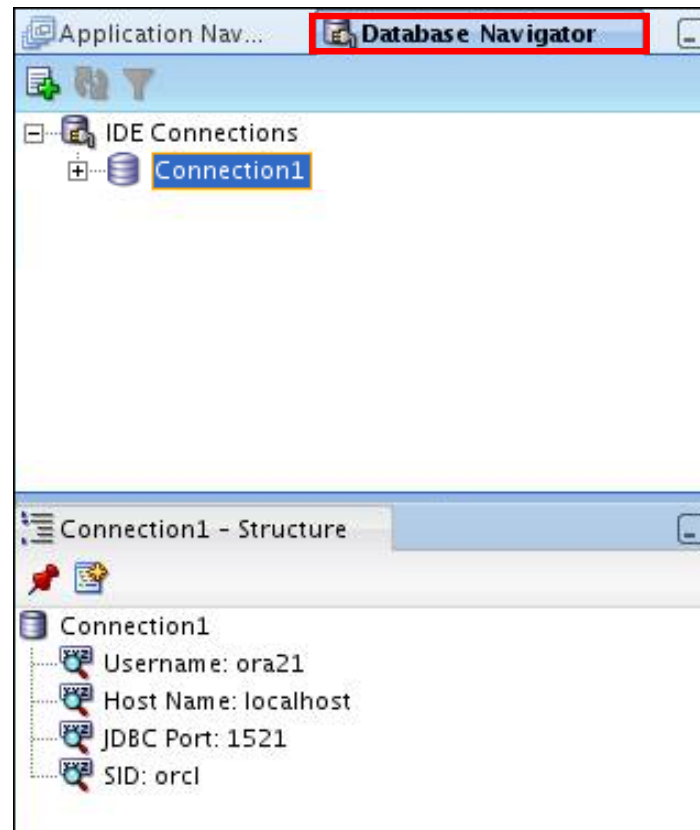
After completing this appendix, you should be able to do the following:

- List the key features of Oracle JDeveloper
- Create a database connection in JDeveloper
- Manage database objects in JDeveloper
- Use JDeveloper to execute SQL Commands
- Create and run PL/SQL Program Units

Oracle JDeveloper



Database Navigator



Creating Connection



1

Click the **New Connection** icon in the **Database Navigator**.

2

In the Create Database Connection window, enter the **Username**, **Password**, and the **SID**.

3

Click **Test Connection**.

A screenshot of the 'Create Database Connection' dialog box. The dialog has a title bar with a close button. The main text says: 'Choose an application from the list to create a database connection owned by and deployed with that application. Choose IDE Connections to create a connection that can be added to any application.' Below this is a dropdown menu 'Create Connection In:' set to 'IDE Connections'. There are input fields for 'Connection Name:' (value: 'Connection1') and 'Connection Type:' (value: 'Oracle (JDBC)'). A red box highlights the 'Username:' field (value: 'ora21'), 'Password:' field (masked with dots), and 'SID:' field (value: 'orcl'). To the right of the 'Username' field is a 'Role:' dropdown. Below the 'Password' field is a 'Save Password' checkbox which is checked. A section titled '- Oracle (JDBC) Settings -' contains a checkbox for 'Enter Custom JDBC URL' (unchecked), a 'Driver:' dropdown (value: 'thin'), a 'Host Name:' field (value: 'localhost'), and radio buttons for 'SID:' (selected) and 'Service Name:' (value: 'XE'). To the right of the 'Host Name' field is a 'JDBC Port:' field (value: '1521'). At the bottom, there is a 'Test Connection' button highlighted with a red box. Below the button is a text area showing 'Success!'. At the very bottom are 'Help', 'OK' (highlighted with a red box), and 'Cancel' buttons.

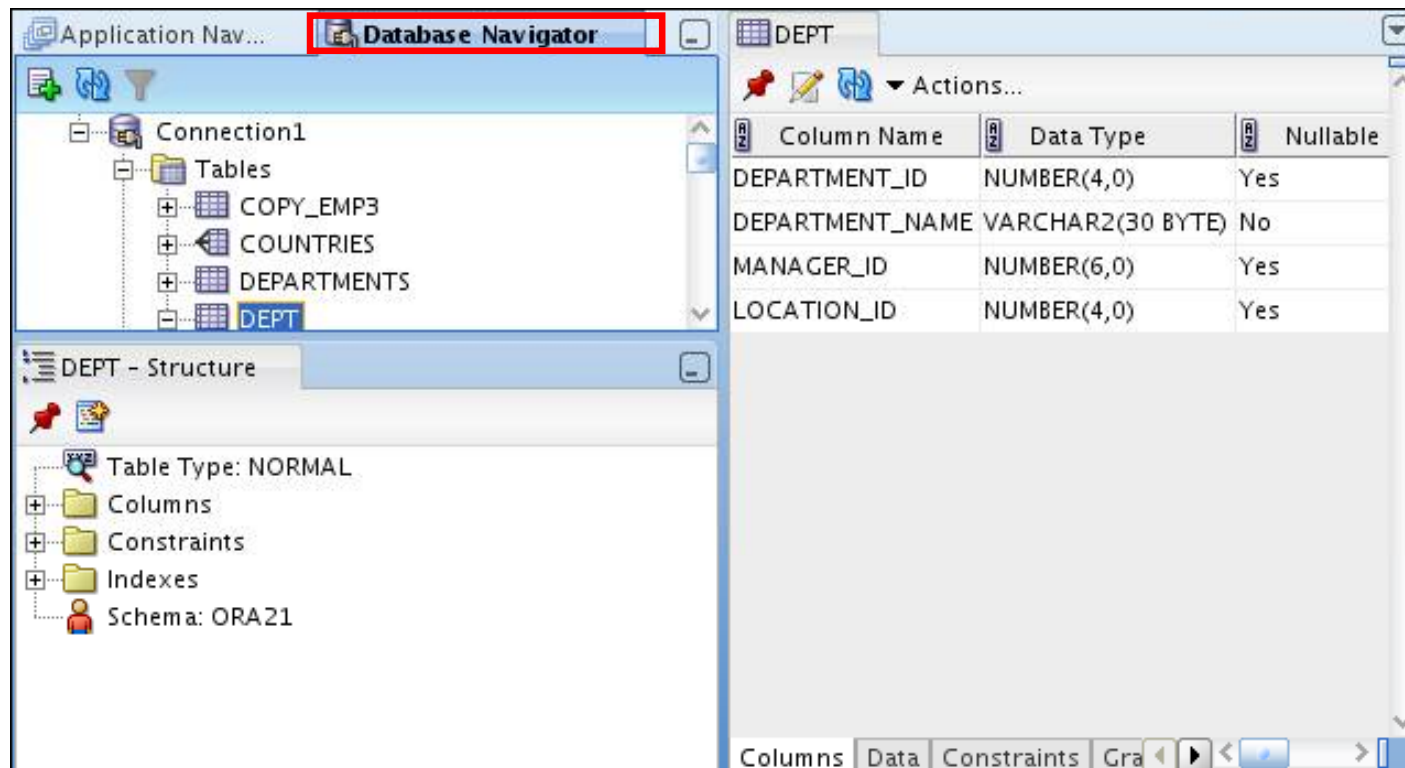
4

Click **OK**

Browsing Database Objects

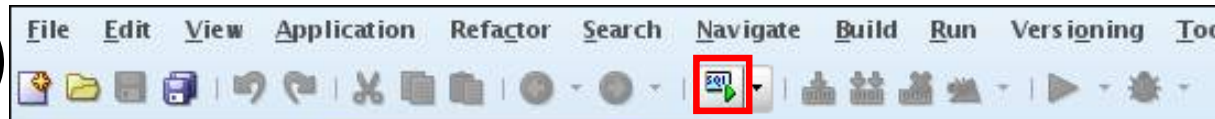
Use the Database Navigator to:

- Browse through many objects in a database schema
- Review the definitions of objects at a glance



Executing SQL Statements

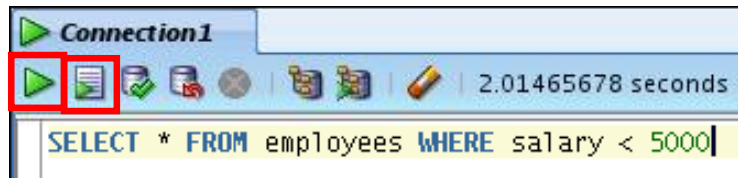
1



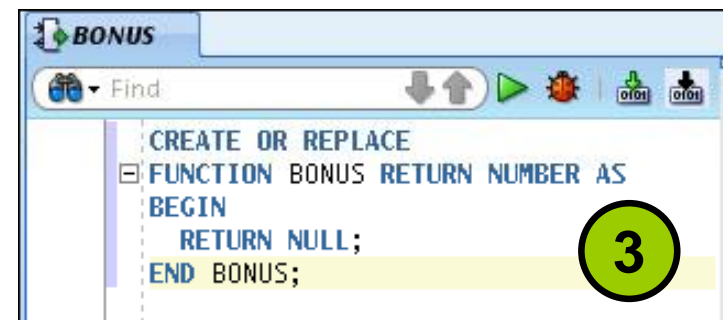
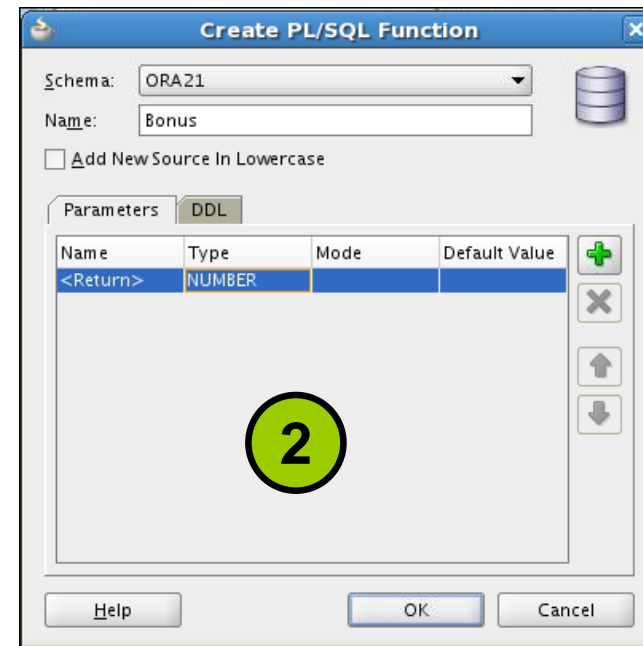
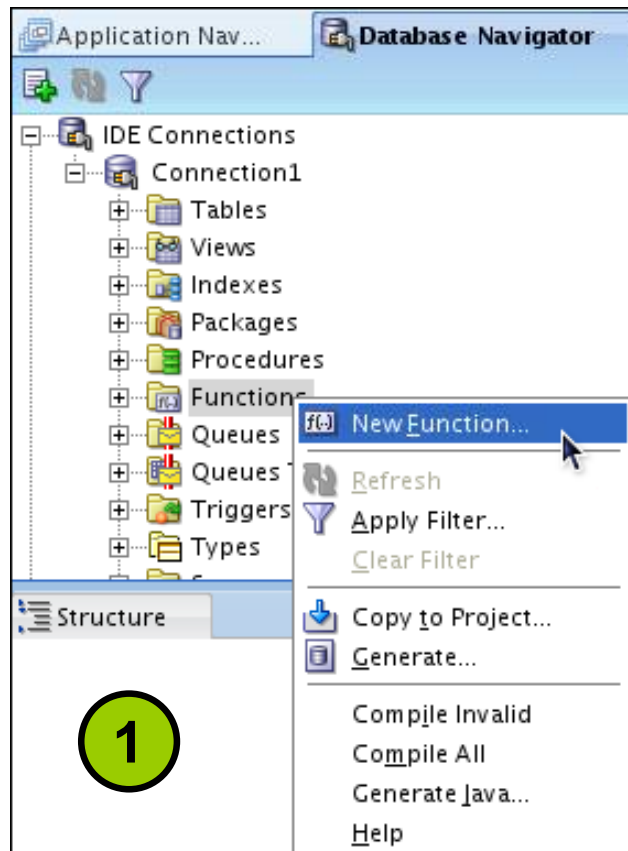
2



3



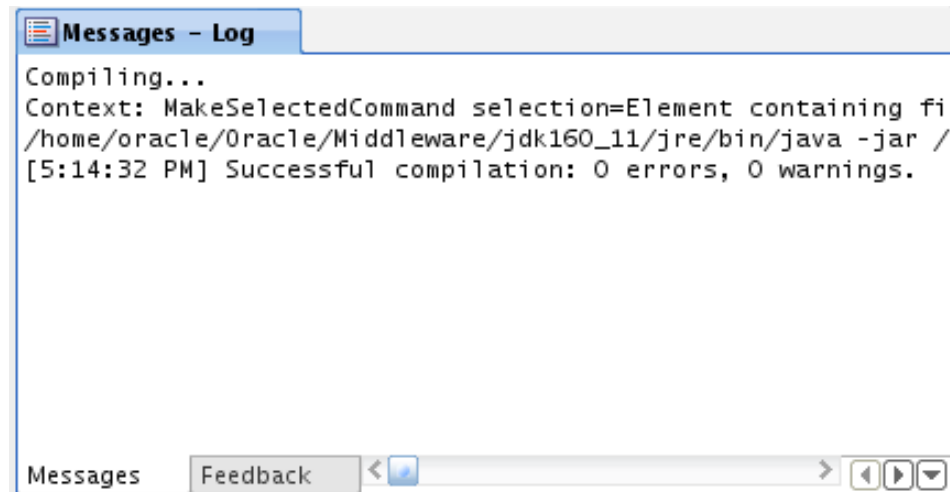
Creating Program Units



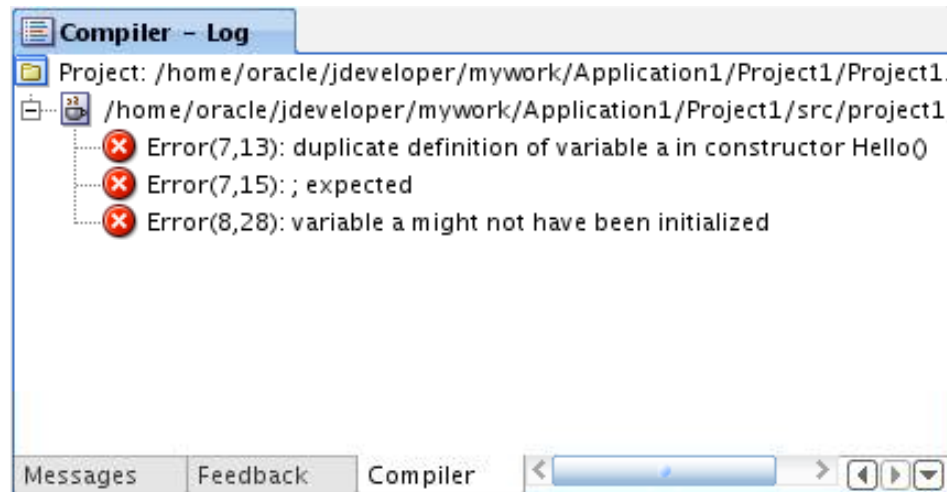
Skeleton of the function

ORACLE

Compiling

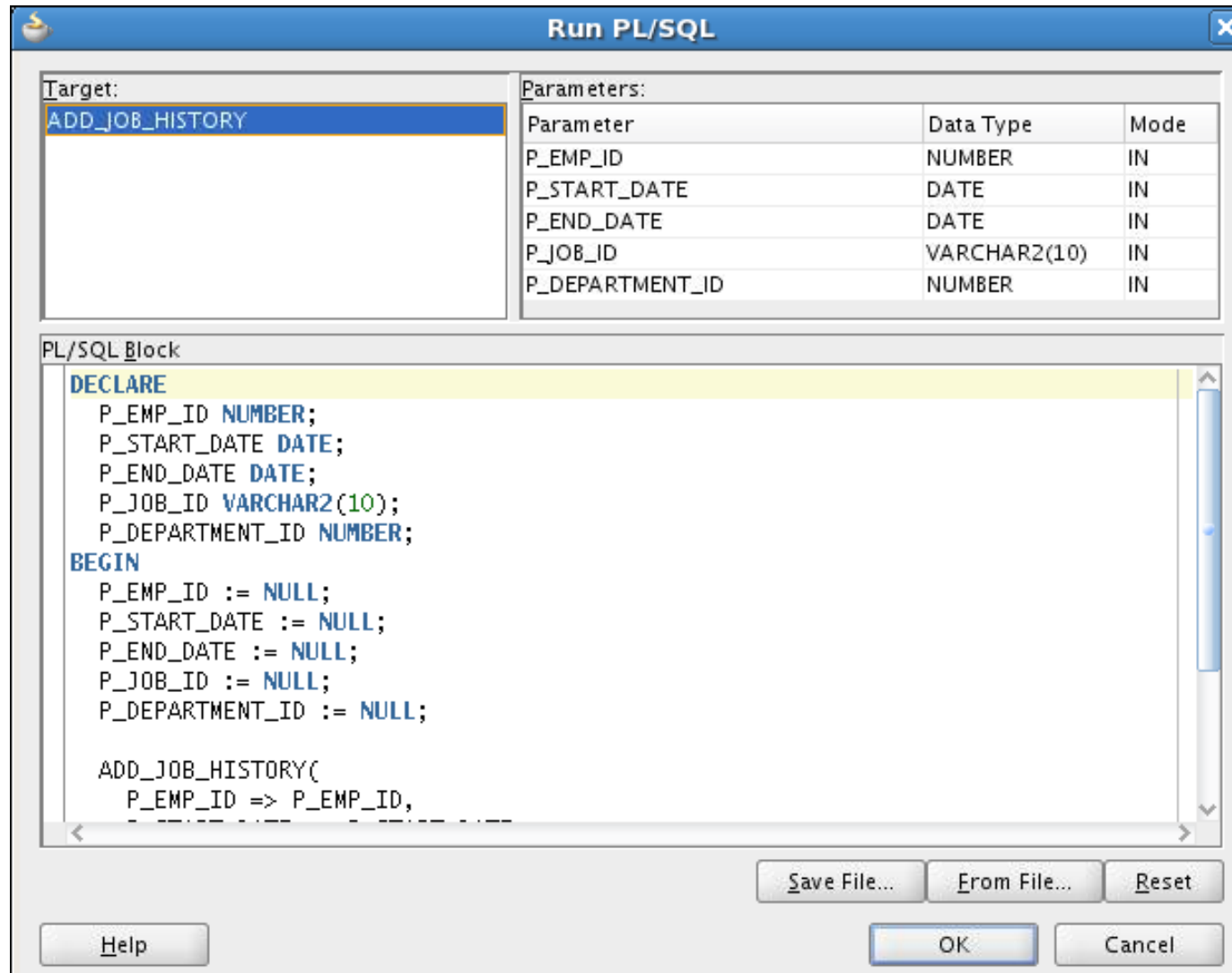


Compilation with errors

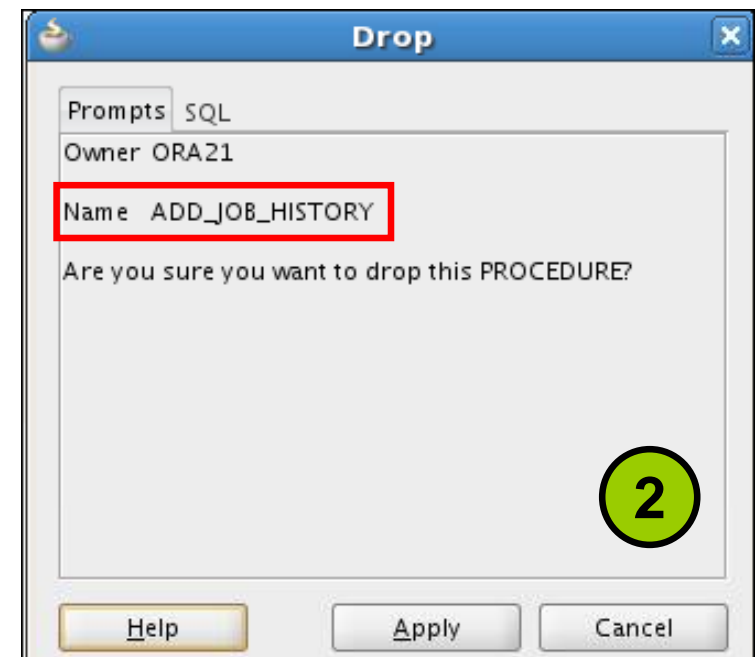
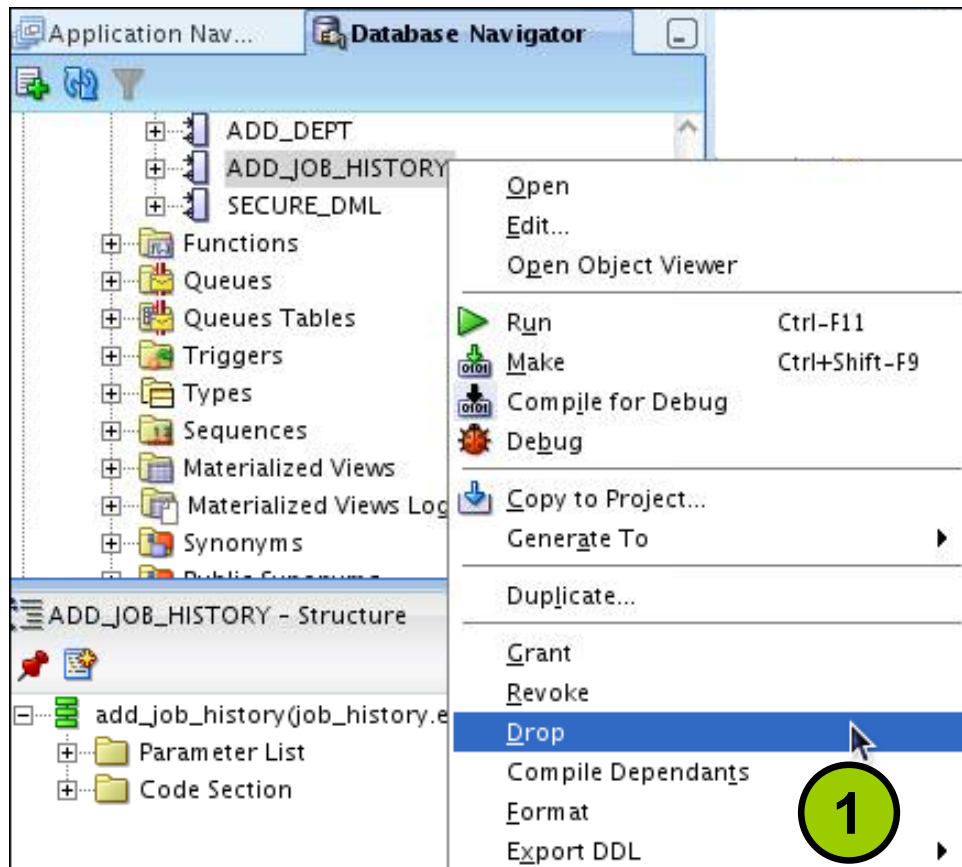


Compilation without errors

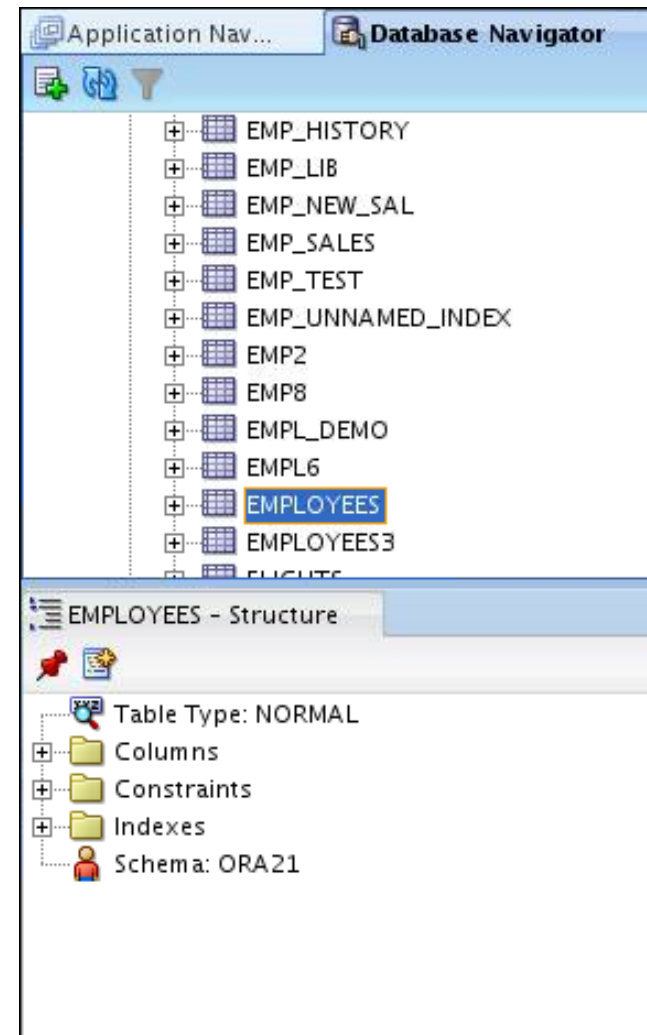
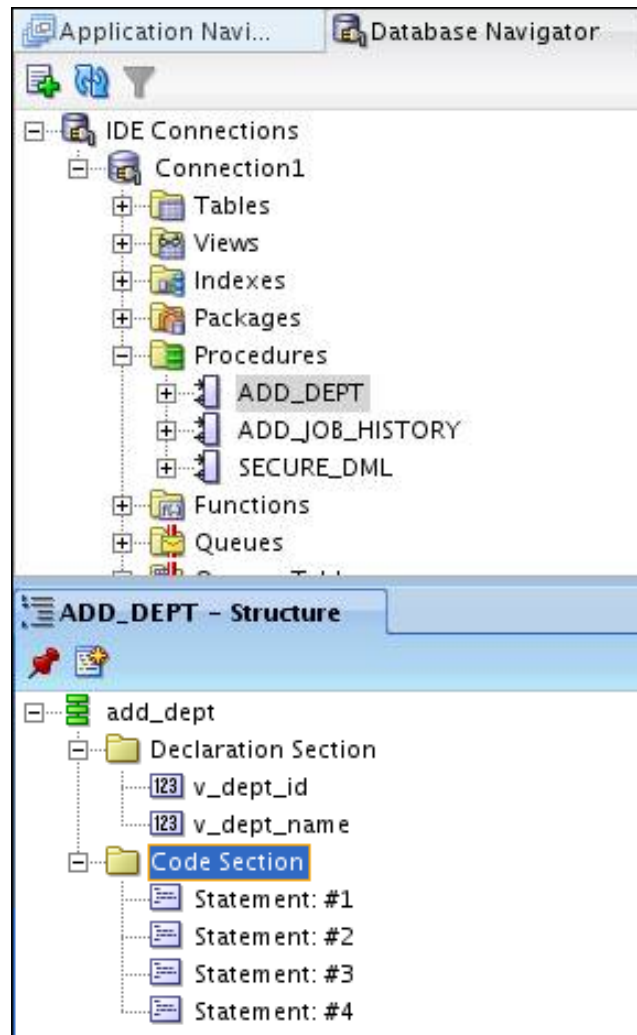
Running a Program Unit



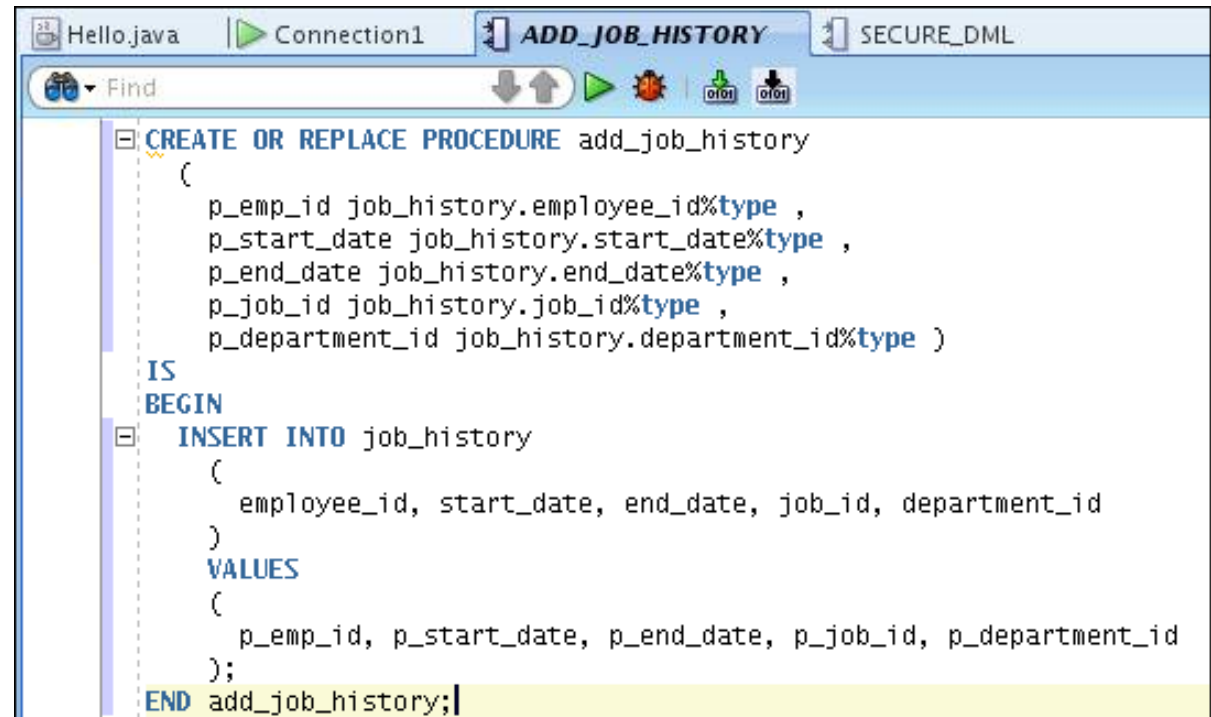
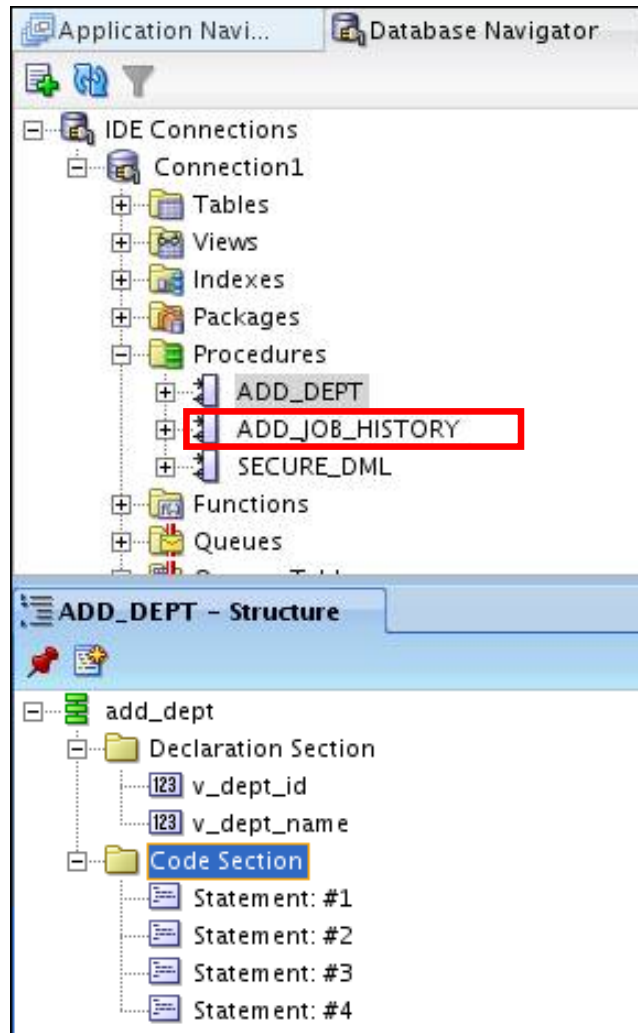
Dropping a Program Unit



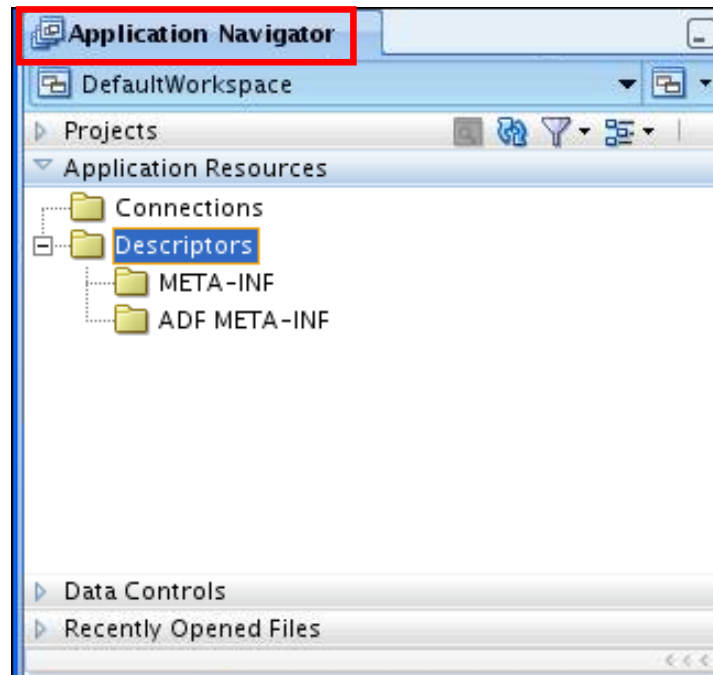
Structure Window



Editor Window



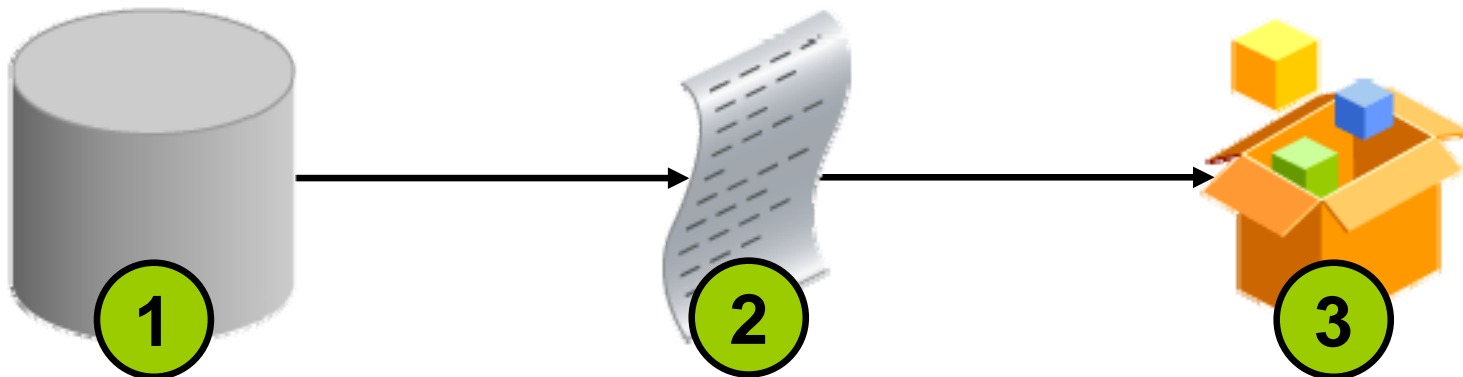
Application Navigator



Deploying Java Stored Procedures

Before deploying Java stored procedures, perform the following steps:

1. Create a database connection.
2. Create a deployment profile.
3. Deploy the objects.



Publishing Java to PL/SQL



```
public class TrimLob
{
    public static void main (String args []) throws SQLException {
        Connection conn=null;
        if (System.getProperty("oracle.jserver.version") != null)
        {
            conn = DriverManager.getConnection("jdbc:default:connection:");
        }
        else
        {
            DriverManager.registerDriver(new oracle.jdbc.OracleDriver());
            conn = DriverManager.getConnection("jdbc:oracle:thin:scott/tiger");
        }
    }
}
```



```
CREATE OR REPLACE PROCEDURE TRIMLOBPROC
as language java
    name 'TrimLob.main(java.lang.String[])';
/
```


How Can I Learn More About JDeveloper 11g?

Topic	Website
Oracle JDeveloper Product Page	http://www.oracle.com/technology/products/jdev/index.html
Oracle JDeveloper 11g Tutorials	http://www.oracle.com/technology/obe/obe11jdev/11/index.html
Oracle JDeveloper 11g Product Documentation	http://www.oracle.com/technology/documentation/jdev.html
Oracle JDeveloper 11g Discussion Forum	http://forums.oracle.com/forums/forum.jspa?forumID=83

Summary

In this appendix, you should have learned to do the following:

- List the key features of Oracle JDeveloper
- Create a database connection in JDeveloper
- Manage database objects in JDeveloper
- Use JDeveloper to execute SQL Commands
- Create and run PL/SQL Program Units