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Chapter 2: Web development tools for mobile development

In this chapter, you learn about web development tools for BlackBerry smartphones. These tools include the BlackBerry Web Plug-in for Eclipse and the BlackBerry Web Plug-in for Microsoft Visual Studio. This lab focuses on the Eclipse® tool and writing an application.
2.1 Run an application in the BlackBerry Smartphone Simulator

In this exercise, you will open and use an application in the BlackBerry Smartphone Simulator.

1. Open the BlackBerry® Web Plug-in for Eclipse®.
2. Extract HelloWorld_complete.zip.
3. In the BlackBerry® IDE, open the helloworld.jdw workspace.
4. Open the helloworld.java source file.
5. Activate the application.
6. Build the application.
7. Debug the application.
   Debugging the application opens the application in the BlackBerry Smartphone Simulator.
8. Run the Helloworld application in the BlackBerry Smartphone Simulator.
2.2 View and modify messages in the BlackBerry Web Plug-in for Eclipse console window

In this exercise, you will open a Java application in the BlackBerry Web Plug-in for Eclipse and modify the messages shown in the Console window.

1. Open the BlackBerry Web Plug-in for Eclipse.
2. Extract HelloWorld_complete.zip.
3. In the BlackBerry IDE, open the helloworld.jdw workspace.
4. Open the helloworld.java source file.
5. In the source code, enter the following command:
   System.out.println("This is my message")
6. Run the application.
7. View occurrences of “This is my message” in the console window.
Notes
2.3 View code in the Variables window

In this exercise, you will open an application and view changes in the Variables window. You will also enter breakpoints into the code sample and observe additional changes in the Variables window.

1. Open the BlackBerry Web Plug-in for Eclipse.
2. Extract ViewVariables.zip.
3. Unzip and import the project.
4. Import ViewVariables.jdp.
5. Debug the project.
6. Set a breakpoint on each line of the run method.
7. Run the application and open the Variables window.
8. Observe the values of the variables in the Variables window.