

Objective: The student will be able to write a simple program to demonstrate the process of entering the program into the computer using an Integrated Development Environment, compiling the program, and running the compiled program.

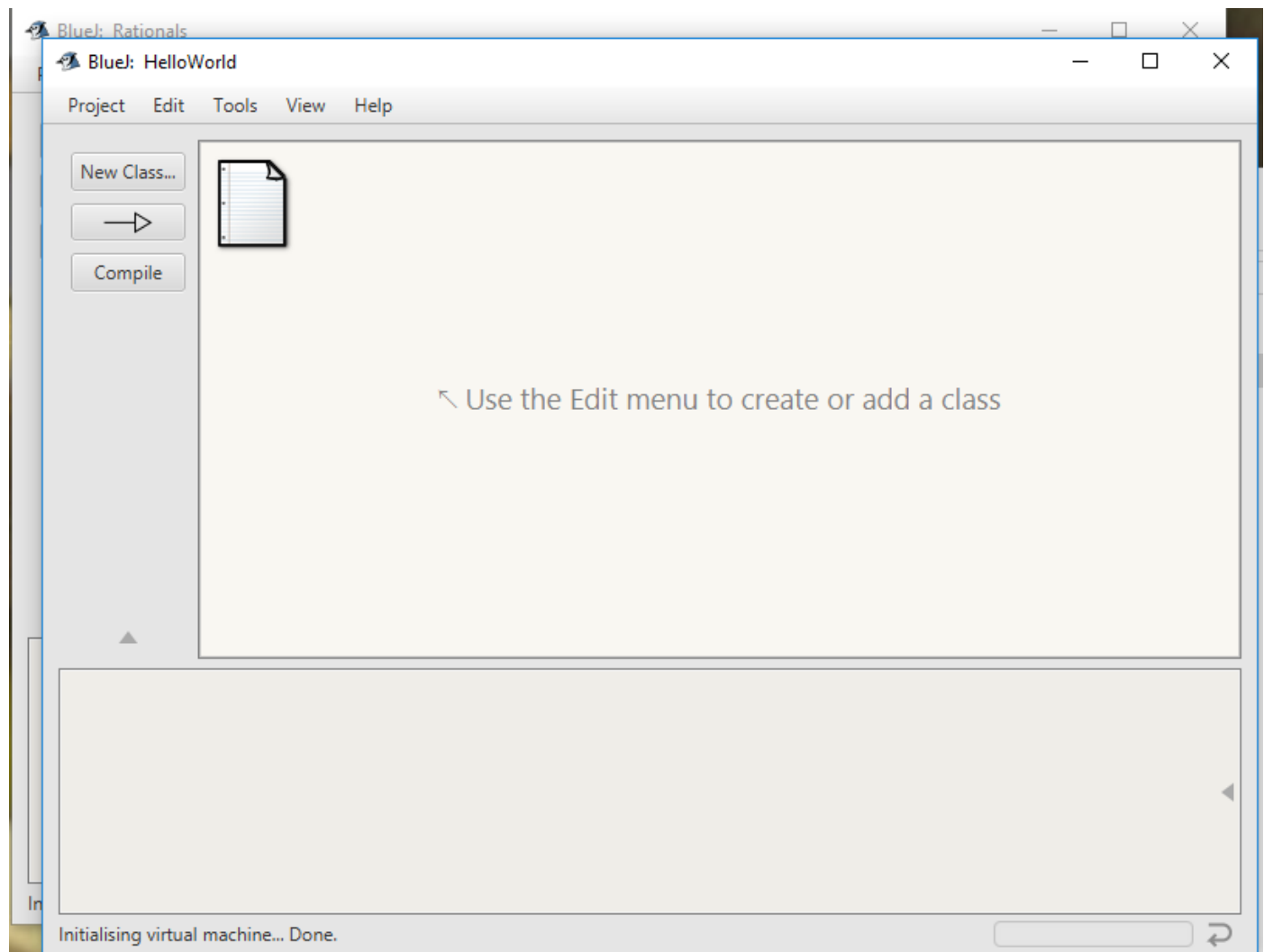
Directions: Perform the following steps.

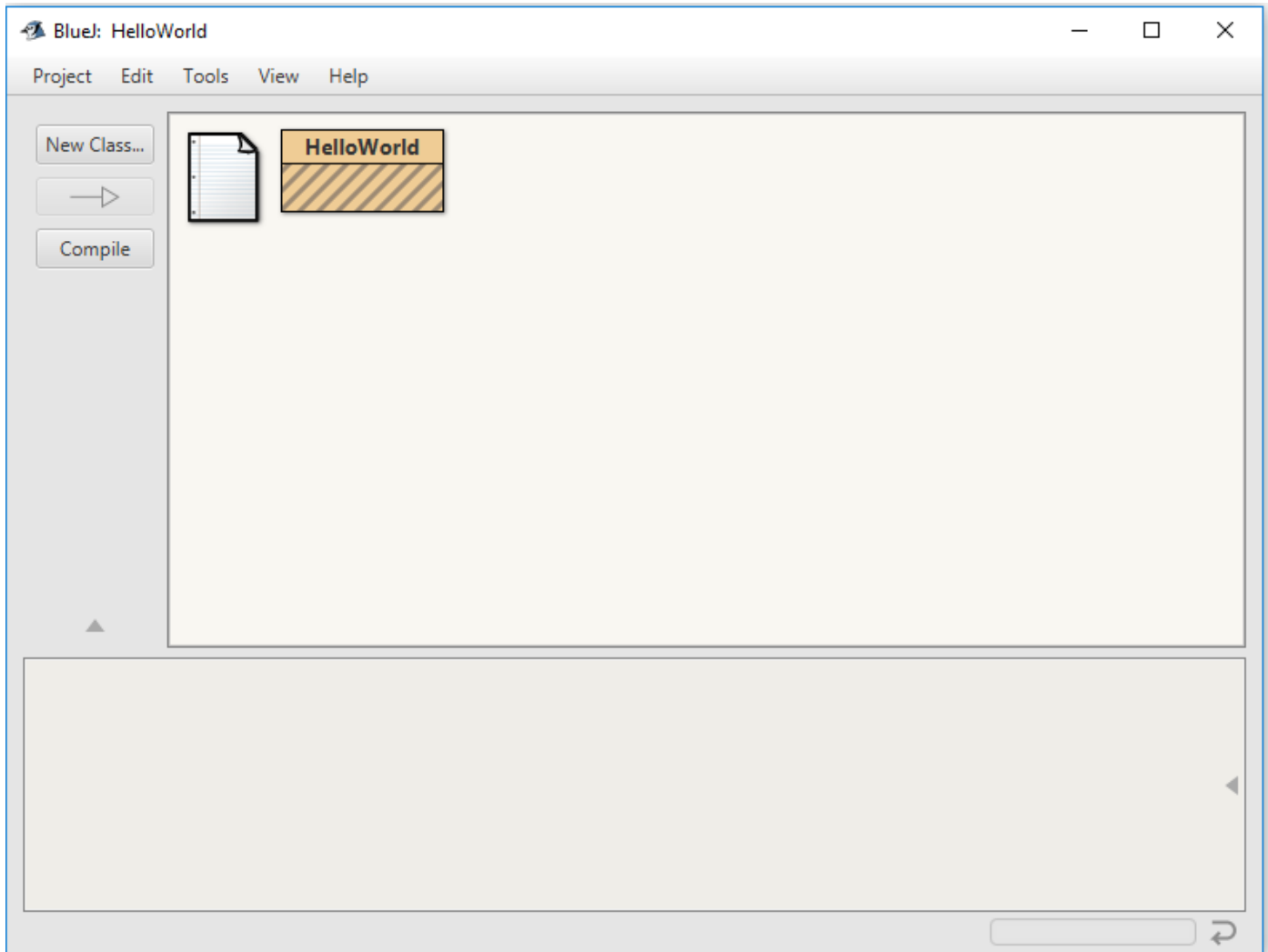
Step 1: Start BlueJ.

Step 2: Click on New Project.

Step 3: Enter a Project Name. In this case HelloWorld. The project name and the class name will be the same, so the first letter should be a capital letter.

Step 4: Click on New Class and enter HelloWorld.





Step 5: Double-click on the HelloWorld box to start the editor.

Step 6: Press Control-A to select all text in the editor screen. Press the Backspace key to remove this text.

Step 7: Enter the program code shown. When declaring public class HelloWorld do not press the backspace key after entering the closing brace “}”, this will lock the editor. Once you put in the closing brace and hit the enter key, you can go back and edit any errors without any problems. (It is a program bug with BlueJ).

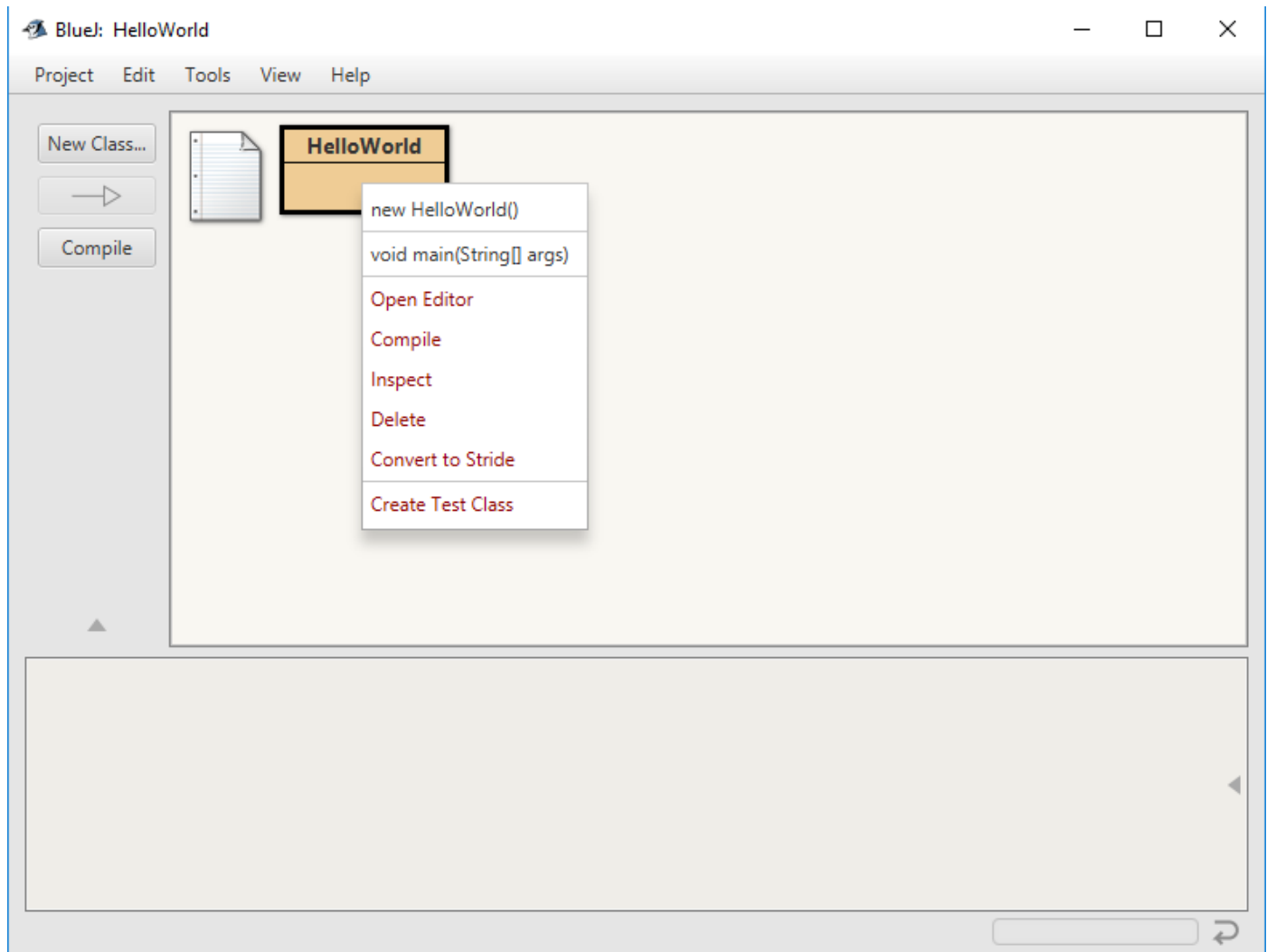
```

HelloWorld - HelloWorld
Class Edit Tools Options
HelloWorld x
Compile Undo Cut Copy Paste Find... Close Source Code
// Java Tutorial 1 Hello World Program
// Mr. Ellsworth Period: 0 October 31, 2017
public class HelloWorld
{
    public static void main(String[] args)
    {
        System.out.println("Hello World!");
    } // end of method main
} // end of class HelloWorld
    
```

*changed*

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Step 8: Click on the Compile button, and the program will be compiled. If there are any errors, then correct them and compile the program again.

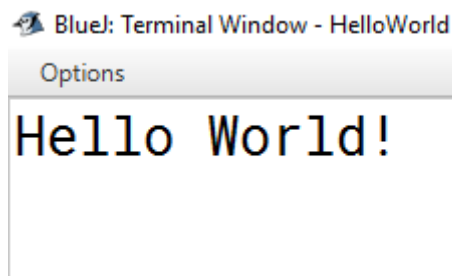
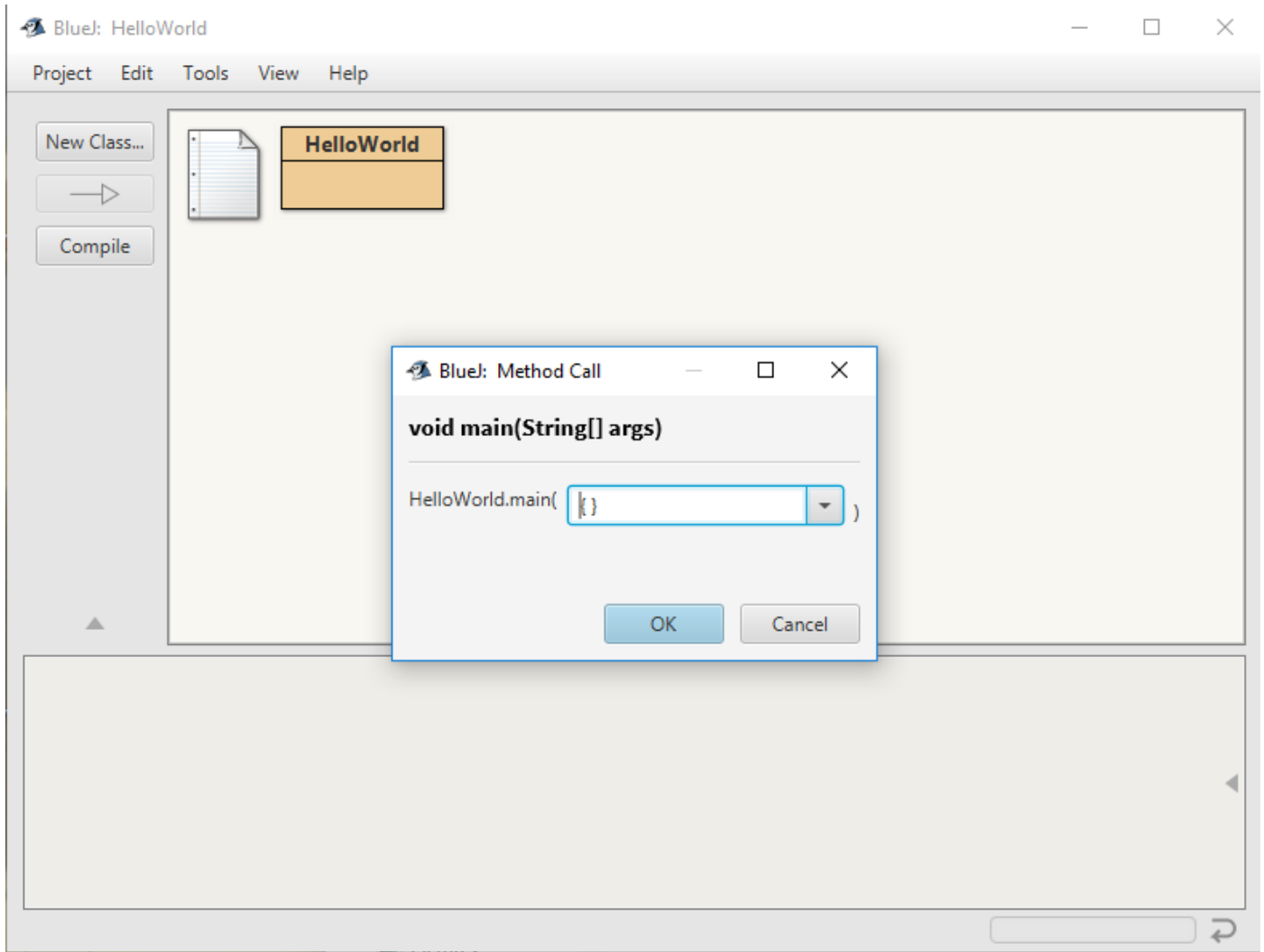
Step 9: Minimize the editor by click on the “\_” button in the upper right-hand corner of the screen.

Step 10: Right-click on the HelloWorld box and a drop-down menu will appear.

Step 11: Click on void main(String[] args) to start the program.

Step 12: Click on the OK button to run the program.

Step 13: A BlueJ Terminal Window will open, and you will see Hello World displayed.



Step 14: Write a program that prints your initials to standard output in letters that are in block letter format as shown:

```

*****      *****      *****
**   **     **          **
**   **     **          **
**   **     **          **
*****      **          *****
**          **          **
**          **          **
**          **          **
**          *****      *****
    
```

Step 15: Write a reflection on what you learned from this tutorial.