

Name: _____ Date: ___/___/___ Period: ____

Objective: The student will be able to write a simple program to use enumeration and to perform basic arithmetic operations.

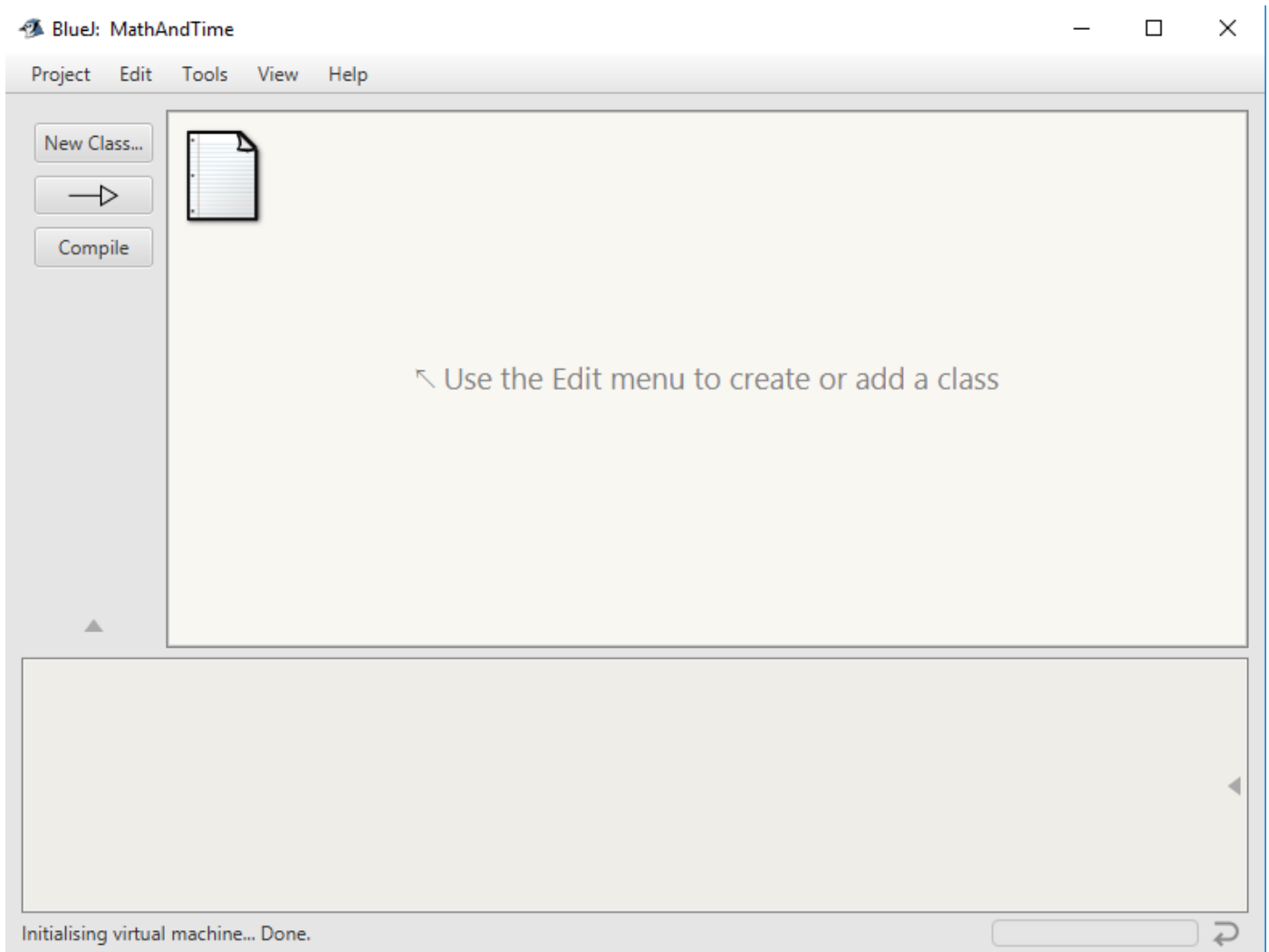
Directions: Perform the following steps.

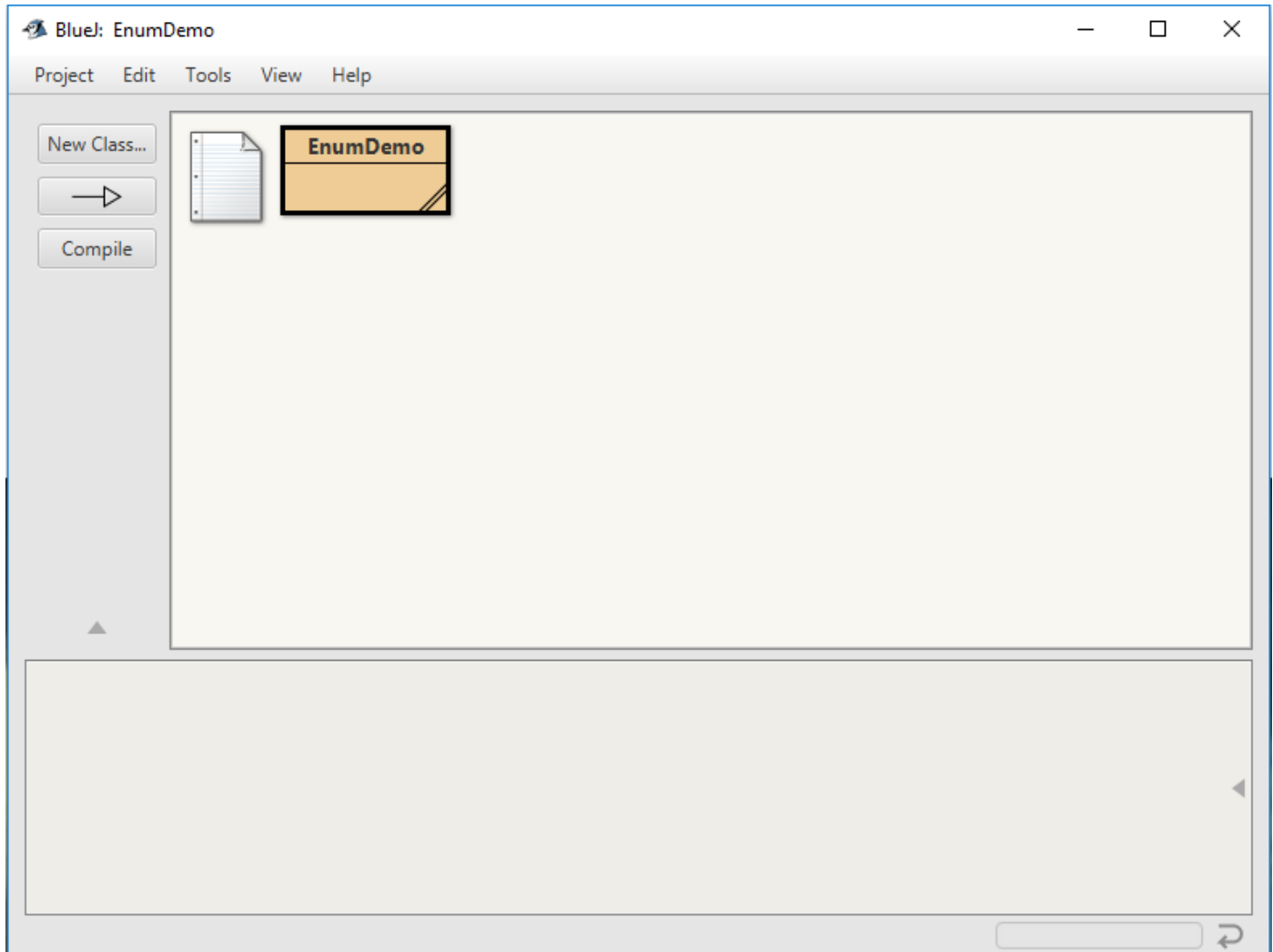
Step 1: Start BlueJ.

Step 2: Click on New Project.

Step 3: Enter a Project Name. In this case EnumDemo. 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 EnumDemo.





Step 5: Double click on the EnumDemo 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 EnumDemo 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).

```
// Java Tutorial 4 Enum Demo  
// Mr. Ellsworth  Period: 0  November 7, 2017
```

```
public class EnumDemo  
{  
    // Program to Define two data sets using
```

```
// enumeration (enum)
// Mr. Ellsworth   Period: 0   November 6, 2017

enum Day {SUNDAY, MONDAY, TUESDAY, WEDNESDAY, THURSDAY, FRIDAY, SATURDAY}
enum Month { JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DEC}

public static void main(String[] args)
{
    Day tgif;    // declare a variable of type day
    Month libra; // declare a variable of type month

    tgif = Day.FRIDAY; // assign a value of type Day to tgif
    libra = Month.OCT; // assign a value of type Month to libra

    System.out.print("My sign is libra, since I was born in ");
    System.out.println(libra);
    System.out.print("That's the ");
    System.out.print(libra.ordinal());
    System.out.println("-th month of the year.");
    System.out.print("Isn't it nice to get to ");
    System.out.println(tgif); // Putput value will be: FRIDAY
    System.out.println(tgif + " is the " + tgif.ordinal() + "-th day of the week.");
} // end of main
} // end of class EnumDemo
```

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

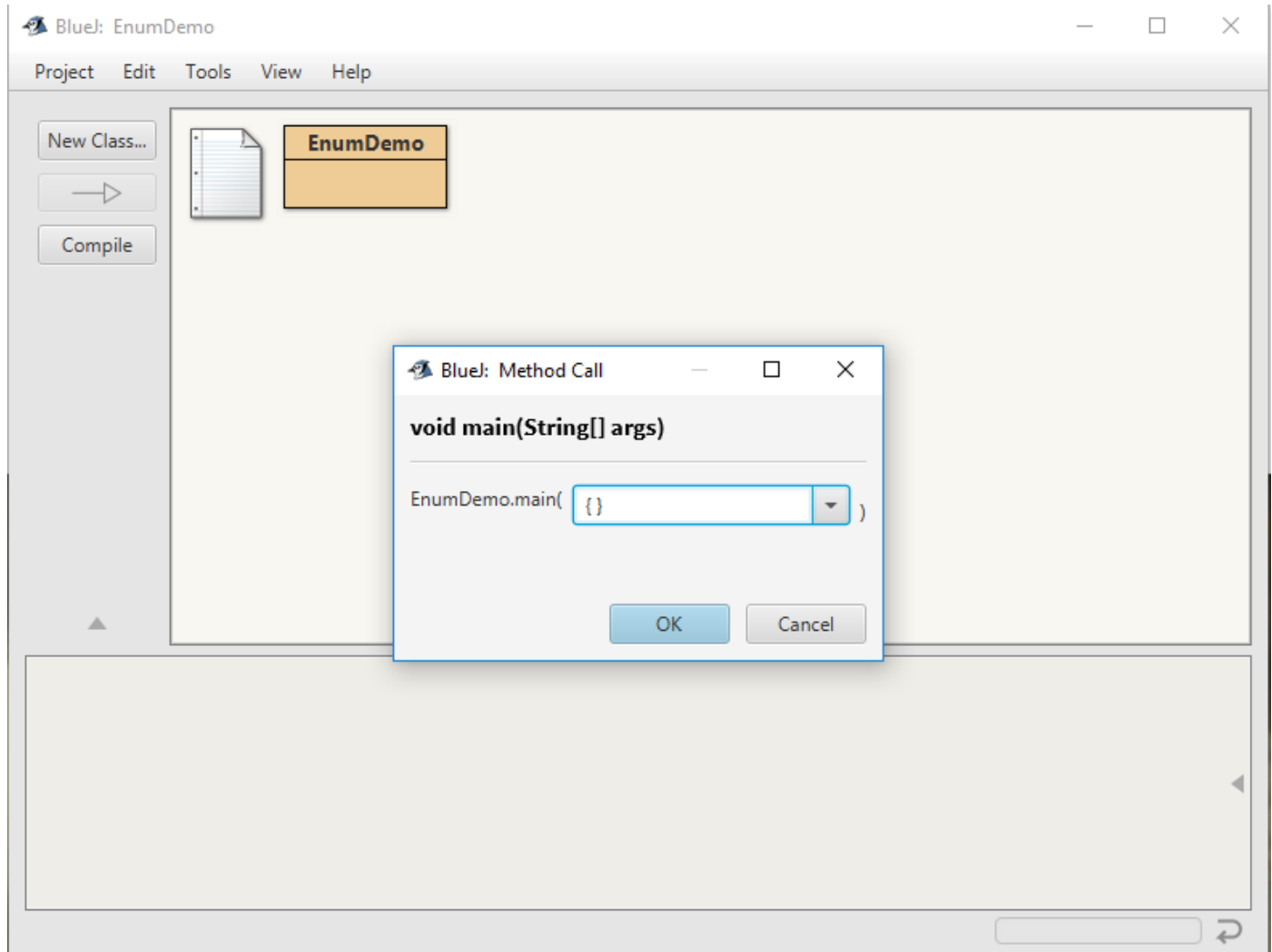
Step 9: Minimize the editor by click on the “_” button in the upper right hand corner of the screen.

Step 10: Right click on the EnumDemo 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 the output displayed.



Output:

```
My sign is libra, since I was born in OCT
That's the 9-th month of the year.
Isn't it nice to get to FRIDAY
FRIDAY is the 5-th day of the week.
```