

## Challenge: Hello World

**Description:** Create your first Java 8 SE application using the NetBeans IDE and print “Hello World!” to standard output. Next, set the value for a variable “myPawPrint” to your pawprint, call a function to print the variable and the current date and time to standard output. Example output:

```
Hello World.  
My PawPrint is “wergelesn”  
Today's date is 01/19/2020 12:40PM
```

**Purpose:** The first step in learning to develop applications for a platform and a programming language is to setup and learn to use the development tools and the process for creating, compiling, and running a simple application. It is also necessary for this course to ensure that the process of naming, zipping, and submitting a project is understood.

**Requirements:**

Create a Java 8 SE application using the NetBeans IDE and:

- Prints “Hello World!” to standard output using System.out.println().
- Set the value for variable “myPawPrint” to your pawprint.
- Call invokeMe() function to print your PawPrint and the current date and time to standard output.
  - The time variable should only print to the minute
  - The time variable should include AM or PM

The name of the application, which is also the name of the Java Main Class, is to be comprised of your pawprint followed by HelloWorld with the first letter of the pawprint capitalized and the other letters of the pawprint in lower case. For example, the Main Class name for a pawprint of abcxyz9 would be: Abcxyz9HelloWorld

A NetBeans project folder is created of the same name as the Main Class. A ZIP file of the project folder is to be submitted for this challenge. The zip file is to be named the same as the Main Class with a .zip extension. Using the

pawprint example above yields a zip file, which will be submitted on canvas, with the name of: Abcxyz9HelloWorld.zip.

**Important:**

Class names in Java are always to begin with an upper-case letter and the remainder of the name is to be camel-cased.

The naming convention using your pawprint followed by a more typical Main Class name is to be followed throughout this course.

A ZIP file of a NetBeans project folder is always the way you submit Java projects for this course. To zip the project, you should select which project you want to export, then click File -> Export Project -> "To ZIP ...". Once you select this, you should choose where you want to store the file and what you want to call the zip file.

**Remember:**

**Make sure to put the .zip file extension in the filename**, otherwise NetBeans will not do this for you and the TAs will not be able to open up your project resulting in a zero for the grade. No negotiations, exceptions, or excuses are allowed.

**Note:** There are tutorials on Canvas to help you import and export projects from Netbeans. They are located under Modules -> Resources on Canvas.

**Things to submit on Canvas:**

- The zip file created after you export your project. Follow the tutorial on Canvas.
- Screenshots of your application running for proof with the System Clock in the Screenshots
  - The System Clock should show Date and Time