Name: **Casey Sorrells** worksheet09B

This worksheet goes through all the steps to write, compile, and run a simple Java program. Please put your answers on a different sheet(s) of paper.

If you haven’t done it yet, go to <http://www.oracle.com/technetwork/java/javase/downloads/index.html> and install the java platform jdk.

Execute all the cmd console commands that are needed to find the path to the folder that contains javac.exe. Please include these commands in the work that you turn in.  
  
Execute all the cmd console commands that are needed to add the above path to the PATH environment variable. Please include these commands in the work that you turn in.  
  
Execute all the cmd conosole commands to cd to your Documents folder. Please include these commands in the work that you turn in.   
  
Type this command notepad  
When the notepad app pops up, type this text and save as the file HelloWorld.java  
 public class HelloWorld {  
 public static void main(String args[]) {  
 System.out.println("hello world");  
 }  
 }  
  
In the cmd console, type javac HelloWorld.java  
What does this command do?  
  
If any messages are displayed on the screen, then read the message, fix the error, and try again.  
Here are the 3 most common errors made by students:  
Error: Saving the file as helloworld.java or as helloWorld.java instead of HelloWorld.java.   
Error: Saving the file as HelloWorld.txt or as HelloWorld.java.txt.  
Error: Typos in the contents of the text file  
  
In the cmd console, type dir HelloWorld\*  
There should be 2 files.  
What is the file HelloWorld.java?  
What is the file HelloWorld.class?  
  
In the cmd console, type java HelloWorld  
What does this command do?  
  
  
Write the output of the HelloWorld app.

C:\Users\kcwer>y:

Y:\>dir \*.exe

Volume in drive Y is Link

Volume Serial Number is 08E4-69D8

Directory of Y:\

10/29/2017 07:30 PM 393,748,024 jdk-9.0.1\_windows-x64\_bin.exe

1 File(s) 393,748,024 bytes

0 Dir(s) 2,334,179,000,320 bytes free

Y:\>jdk-9.0.1\_windows-x64\_bin.exe

Y:\>dir /d

Volume in drive Y is Link

Volume Serial Number is 08E4-69D8

Directory of Y:\

[Android] [eclipse] [Epic Games] [Heroes of the Storm] [Microsoft Visual Studio] [StarCraft II] [Windows Folders]

[Blizzard App] [eclipse-workspace] [GOG Games] [JavaApps] [Oracle] [SymCache] [World of Warcraft]

[CodeBlocks] [ElderScrollsOnline] [Google Drive] [JavaJDK] [Photo Archive] [Visual Studio Projects]

[desktop from taerobyte] [Emulators] [Hearthstone] jdk-9.0.1\_windows-x64\_bin.exe [StarCraft] [Wallpapers]

1 File(s) 393,748,024 bytes

25 Dir(s) 2,333,953,220,608 bytes free

Y:\>cd JavaJDK

Y:\JavaJDK>dir /d

Volume in drive Y is Link

Volume Serial Number is 08E4-69D8

Directory of Y:\JavaJDK

[.] [db] javafx-src.zip [lib] src.zip

[..] Homework9.class [jdk1.8.0\_131] LICENSE THIRDPARTYLICENSEREADME-JAVAFX.txt

[bin] Homework9.java [jdk9.0.1] README.html THIRDPARTYLICENSEREADME.txt

COPYRIGHT [include] [jre] release

10 File(s) 26,567,175 bytes

9 Dir(s) 2,333,953,220,608 bytes free

Y:\JavaJDK>cd bin

Y:\JavaJDK\bin>path=Y:\JavaJDK\bin;%PATH%

Y:\JavaJDK\bin>cd\

Y:\>cd windows folders

Y:\Windows Folders>cd documents

Y:\Windows Folders\Documents>javac HelloWorld.java

Y:\Windows Folders\Documents>

*This command compiles HelloWorld.java into HelloWorld.class, which is the binary machine code version of the small program I just wrote in notepad.*

Y:\Windows Folders\Documents>dir HelloWorld\*

Volume in drive Y is Link

Volume Serial Number is 08E4-69D8

Directory of Y:\Windows Folders\Documents

10/29/2017 08:31 PM 425 HelloWorld.class

10/29/2017 08:23 PM 116 HelloWorld.java

2 File(s) 541 bytes

0 Dir(s) 2,333,778,911,232 bytes free

Y:\Windows Folders\Documents>

*HelloWorld.class is the binary machine code that was compiled out of HelloWorld.java, which is the code I wrote in notepad.*

Y:\Windows Folders\Documents>java HelloWorld

hello world

Y:\Windows Folders\Documents>