**Name: Session:**

**Programming II**

**Lab Exercise 6/10/2021**

**Introduction to Java**

In this lab you will be introduced to programming in the Java Development environment. Java was developed by Sun Microsystems. Java is both a compiled and interpreted language. Program code is written via a text editor to create a .java file. The .java file is sent to the java compiler which converts it into a binary .class file. This .class file is sent to the Java Interpreter which runs the program. This .class file is binary object code and can not be viewed. It is in the form of bytecode which is platform independent.

1. Start by creating a folder on your C drive called jfiles.
2. Create a folder within the jfiles folder called Hello
3. Open your text editor and type the following code:

public class Hello

{

public static void main(String[] args)

{

System.out.println(“Hello World”);

}

}

1. Save the file in the C:\jfiles\Hello folder under the name Hello.java (case sensitive)
2. Open the command prompt and navigate the C:\jfiles\Hello folder.
3. At the C:\jfiles\Hello prompt type

javac Hello.java

1. Get a directory to verify the Hello.class file has been created
2. Type the following at the C:\jfiles\Hello prompt

java Hello

1. You should get the message “Hello World” on your console.
2. Now write a program that print your name, address, city, state, zip, area code, and phone number.
3. Write a program that will print the numbers from 1 to 10 and their square, cube, and square root.

Syntax for loop:

for (int i = 1; i <= 10; i++)

{

//Add code here

}

Some useful math functions:

Math.pow(2, 5) returns 32.0

Math.sqrt(4) returns 2.0