**Getting Started with Java**

The IDE/Compiler we will use for Java is called **JGrasp**

Opening JGrasp: Start 🡪 All Programs 🡪 Math 🡪 Math Lab 🡪 JGrasp

Creating a new Java File: File 🡪 New 🡪 Java

Now you are ready to start your code!

The first thing you should always do is create your class. The class is where you will write your code. The class’ name will end up being the same as your file name. The name of the class should always relate to what the code is doing. For example, soon you should make a lesson called Lesson1 or Lesson01. The first letter in the name should always be capitalized. When naming anything in Java it is common to use camel casing. ThisIsWhereYouCapitalizeTheFirstLetterInEachWordBecauseYouAreNotAllowedToUseSpaces. To make the class you will type:

public class NameOfClass

To group your code, you will use curly brackets ({}). It pains me (Jason) to say this, but there are two ways to use curly brackets. There has been a never lasting debate about which of the two ways is “correct.” Both are correct, but people still have their preferences. I will show the two ways to do them and you can make your own choice.

**Method 1 (Jason uses this one):**

public class NameOfClass

{

//Your Code Here

}

**Method 2 (Rohan uses this one):**

public class NameOfClass {

//Your Code Here

}

Jason likes method 1 better because it keeps the code organized and the brackets lined up. As your code gets more advanced, you will add a lot more curly brackets and they can get hard to manage if not handled properly. When the brackets are lined up, you can see which ones are paired and discover which (if any) are missing and which are extra.

Rohan likes method 2 better because it saves an extra line of code and it is like other coding languages like python. Saving the extra line allows for viewing/managing more code at once and makes the code seem simpler. The similarities with the other languages allows for an easy transition when switching languages.

Both methods have the code inside indented for formatting/organizational purposes. Also, regardless of method make sure to always close a bracket whenever you open one, so you don’t forget later.

Now go to the lesson one class and word document and complete that.