There are many ways to write a program in java. HelloWorldV1, HelloWorldV2, and HelloWorldV3 all print the same output, but they perform the task in different ways. When HelloWorldV1 is executed, “Hello, Virtual World!” (Line) “It is a great day for programming” appears on the screen. The same output is generated by HelloWorldV2 and HelloWorldV3. The output is the same, but the code is organized differently.

In my opinion, HelloWorldV1 has the simplest organization, especially for the simple task it accomplishes. HelloWorldV1 only contains 8 lines of code, excluding the comment. Although HelloWorldV1 may be easier to write, HelloWorldV2 and HelloWorldV3 are better organized. HelloWorldV1 doesn’t contain multiple methods and it’s harder to convert HelloWorldV1 to a new purpose.

HelloWorldV2 is semi-complex. HelloWorldV2 is more complex than HelloWorldV1 because HelloWorldV2 uses multiple methods. HelloWorldV2 contains 11 lines of code, excluding the 2 comments and blank lines. HelloWorld2 can be modified easier than HelloWorldV1 because small changes in the main method can affect the PrintTwoLines method.

HelloWorldV3 is complex. Compared to the previous versions of HelloWorld, HelloWorldV3 is the most complex version of HelloWorld, containing 16 lines, excluding comments and blank lines. HelloWorldV3 is split into different methods, just like HelloWorldV2, but HelloWorldV3 shows the default constructor and the main method directs it to execute PrintTwoLines.

In this activity, HelloWorldV3 was the most complex version of HelloWorldV3. HelloWorldV1 was simple and used only the main method. HelloWorldV2 had multiple methods. HelloWorldV3 had multiple methods and references. All 3 versions of HelloWorld accomplished the simple task of printing “Hello, Virtual World!” (Line) “It is a great day for programming.” In my opinion, the only version of the task that was needed was HelloWorldV1 because the task was relatively simple in nature. The techniques used in the other versions of HelloWorld are necessary for other programs though.