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Description: Chapter 1 Exercises with Java

## Introduction

The “Hello World!” program is a starting point for most programmers. It is a simple code that is meant to present the words “Hello world!” along with an additional message provided by the student programmer. The program is supposed to compile and run properly with both messages presented to the viewer. Design decisions were made in the making of this program to support its accountability.

ID		Functional Requirements		Value	Stakeholder
FID001	I want to	print the string “Hello World!” and an additional message to the program console.	so that	the student developer can get an A	instructor
FID002	I want to	compile and run the program successfully.	so that	the instructor can see the “Hello World!” string in console	student

## Analysis

During the creation of the “Hello World!” program, it was decided to use `System.out.println()` over `System.out.print()`, due to the requirement of needing to create a second string of words. `Print ()` will only create a line of words in the same line. It was the most rational way to fulfill the FID001 requirement with ease.

## Conclusion

While running the “Hello World!” program it is expected to be able to view the message, “Hello world! Hello. my name is Inigo Montoya. You killed my father. Prepare to die.”. These sentences will be provided on separate lines, fulfilling FID001.

Overall, the creation of “Hello World!” was simple and fun. However, the difficulty came with downloading Java Eclipse onto the laptop. The author has been attempting since Friday and was ready to ask for help on Tuesday. At the last minute, she was able to figure out the problems and get it to run successfully. The author cannot wait to learn how to program more in the future.

[https://github.com/DiannaToledoSG/DT\\_ch1\\_ex2](https://github.com/DiannaToledoSG/DT_ch1_ex2)

### **Exercise 1**

- 1- The difference between a statement and a comment in computer jargon is who it is telling to do something. A statement will tell the code what to do, while a comment is meant to tell us what to do as a note.
- 2- When a program is portable, it is able to be used on different kinds of devices without modifications.
- 3- In common English compile means to create a collection of information.
- 4- An executable is a code that is capable and ready to run on certain hardware. It is a noun because it is an object. Instead of the verb, executing, to do something. It is the form of something that is ready to be executed.

### **Exercise 2 and 3 done on Java**