

**22/SP-COP-2800 Java Programming**

**Assignment 2.1**

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# Document Version Control

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| Version | Date | Author | Rationale |
| 0.1 | 2022 AUG 20 | Jonathan Gan | First Draft |

# Document Purpose

The Prompt asked us to create a command line GUI for converting Celsius and Fahrenheit values, we added a feature for selecting the direction of conversion for better user experience

# Technical Specifications

First, we initialize our floating-point values that will hold the value of the input and outputs depending on the option chosen

***double f, c;***

Then we create a scanner variable for setting up the input in GUI

And a choice variable for knowing direction of conversion

***Scanner sc = new Scanner(System.in);***

***int ch = sc.nextInt();***

We create output for selecting choice of conversion using nextInt() for choice and nextDouble() for value to capture inputs needed for calculation

If to Celsius

c = (f - 32) \* 5 / 9;

IF to Fahrenheit

f = ((9 \* c) / 5) + 32;

Output the variable on calculation so next run can reset the variables

REPL.IT URL:

<https://replit.com/@jongan69/Assignment-21#Main.java>

## Technical Implementation Components

## Technical Implementation Pseudocode

## PageBuilderService Implementation

## Implementing a Dynamic page