

**22/SP-COP-2805C-61163 Java Advanced**

**Assignment 10.14**

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Created By: Tristan Rogers

# Document Version Control

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# Document Purpose

The purpose of this document is to outline the process behind the MyDate class and discuss the parameters and functions involved.

# Technical Specifications

## Purpose of Technical Implementation

The purpose of this program is to display dates using a variety of parameters. These dates are shown using the Gregorian Calendar.

## Technical Implementation Components

* This program uses one MyDate class to complete operations. It imports the util.Calendar and util.GregorianCalendar packages to properly display dates based on the parameters input

## Technical Implementation Pseudocode

*Create new MyDate*

*take input based on parameter type*

*display results in Gregorian calendar format.*

## Account Implementation

The MyDate class contains three fields for year month and day respectively.

There is a no arg constructor that will return the current date.

The second constructor will return a specified date based on the parameters passed to it.

The final constructor will provide a date based on elapsed time from the default date of 01/01/1970.

There are three accessors that return the year, month, and day respectively.

The setDate Method creates a new Gregorian calendar and sets the date according to the elapsed time of the default date of 01/01/1970.

The toString method displays the dates as strings for readability.

The final main method is used as a test to ensure that the program runs properly.