**D E S I G N D E C I S I O N S**

The design I implemented was done because of the functions and files we were given. The modifications to the given binary search tree files were almost identical to lab 9 other than the addition of searching before and after. Creating the day class was very simple as it just stored the values and printed them when called.

**I M P L E M E N T A T I O N P R O C E S S**

Implementation was done very quickly because of the simplicity of the program after modifying the binary search tree files. There was minimal logic that just handled the inputs which were quite structured.

**P R O B L E M S**

The changes I made were adding in sunset after coding sunrise which was very quick because I coded sunrise in with the idea of already adding in sunset. After completing everything, I added the convertTime function that handled all the times as strings and then used atoi to convert them to integer for standard and military format. I was able to code everything successfully and ran into no errors.

**R E S U L T S**

I enhanced my knowledge of binary search trees as creating the searchBefore and searchAfter required me to draw out trees and work through it myself. I was going to use the tokenizer to handle the inputs but decided I’d try some new stuff to handle the inputs and worked through some string library and the C standard library to convert times and handle inputs.