Lab

Bradley Grose

# Problem

In this programming lab, we must make a piece of code that inputs the date and time using the format MM/DD HH:MM. The code must separate these values and using separate methods to do different tests to return a result to the driver. It will be testing if the date and time is a valid date and time.

# Solution

Using the given methods from the lab, I stared by creating a public void for run. The run method first uses a while loop to run the quit function. Then, inside of the function it has the user input the date and time. Then, it calls isValid and sends the date and time. In is valid, the code will check if the date is valid using dateValid which parses the int from the strings position and then uses ifs to make sure it fits the date range, by breaking up the minutes, hours, day and month using the set position requested by the user. Those public Boolean methods will return true or false. This then goes through an if statement so that isValid can return a true or false to the run method. The run method then uses an If else to see what the returned value is and then will output result and ask if user would like to try another date.

# Implementation Problems Encountered

There were no problems that I encountered in the code.

# Lab Report Questions

1. The parameters allow variables to be used outside of the method they are defined in, so that the same value can be used in different methods without it being a global variable
2. If a variable is declared in a method, then it can not be used in a method outside of that unless it is sent through as a parameter to that certain function
3. If the method does not return a value, then its return type should be void.