Lab Report 19

# Problem

We have to create classes that will allow a user to enter in a 24 hour time and have it be converted into a 12 hour time in AM or PM.

# Proposed Solution

|  |
| --- |
| Clock24 |
| -hours : int  -minutes : int  -isAM : Boolean |
| +getHours : int  +getMinutes : int  +getIsAM : Boolean  +setHours : void  +setMinutes : void  +setIsAM : void  +setTime : void  +printTime : void |

# Tests and Results

I tested the program with values it both can and can’t take. It worked for all values.

# Problems Encountered

All of the setTime method was very difficult.

# Conclusions and Discussion

The result for this lab was that the user could now enter any 24 hour time and get back the time in 12 hour am or pm time.

# Additional Questions

1. Describe Exceptions  - Exceptions are tasks that the computer cannot complete.

2. In what order must catches follow? Catches must follow the order from top to bottom.