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Computer Science II

2-9-2020

Module 2 Assignment 2:

My Code:

**public** **class** Main {

**public** **static** **void** main(String[] args) {

// Create two MyDate objects

MyDate date1 = **new** MyDate();

MyDate date2 = **new** MyDate(34355555133101L);

System.***out***.println("Date1: " + date1.getMonth() + "/" + date1.getDay() +

"/" + date1.getYear());

System.***out***.println("Date2: " + date2.getMonth() + "/" + date2.getDay() +

"/" + date2.getYear());

}

}

**import** java.util.Calendar;

**import** java.util.GregorianCalendar;

**public** **class** MyDate {

**private** **int** year;

**private** **int** month;

**private** **int** day;

**public** MyDate() {

GregorianCalendar cal = **new** GregorianCalendar();

year = cal.get(Calendar.***YEAR***);

month = cal.get(Calendar.***MONTH***);

day = cal.get(Calendar.***DAY\_OF\_MONTH***);

}

**public** MyDate(**long** elapsedTime) {

GregorianCalendar cal = **new** GregorianCalendar();

cal.setTimeInMillis(elapsedTime);

year = cal.get(Calendar.***YEAR***);

month = cal.get(Calendar.***MONTH***);

day = cal.get(Calendar.***DAY\_OF\_MONTH***);

}

**public** MyDate(**int** year, **int** month, **int** day) {

**this**.year = year;

**this**.month = month;

**this**.day = day;

}

**public** **int** getYear() {

**return** year;

}

**public** **void** setYear(**int** year) {

**this**.year = year;

}

**public** **int** getMonth() {

**return** month;

}

**public** **void** setMonth(**int** month) {

**this**.month = month;

}

**public** **int** getDay() {

**return** day;

}

**public** **void** setDay(**int** day) {

**this**.day = day;

}

**public** **void** setDate(**long** elapsedTime) {

GregorianCalendar cal = **new** GregorianCalendar();

cal.setTimeInMillis(elapsedTime);

year = cal.get(Calendar.***YEAR***);

month = cal.get(Calendar.***MONTH***);

day = cal.get(Calendar.***DAY\_OF\_MONTH***);

}

}

My Code Output:

Date1: 1/9/2020

Date2: 8/7/3058

For this assignment I found the code on a website, instead of copying it, I typed it all out so that I would understand it better. The only problem I am having is determining when to use “void” and when not to. However, I gained a better understanding of using classes and setting up variables than I had before this assignment. Here is the website I used.

<http://soultionmanual.blogspot.com/2016/09/chapter-10-exercise-14-introduction-to.html>