/\*\*

\* Get day, month & year.

\*

\* @author Dylan Cruz

\* @version 1.0 (11/18/11)

\*/

public class Date

{

private int mth, dy, yr;

public Date()

{

mth = 0;

dy = 0;

yr = 0;

}

public Date(int day, int month, int year)

{

dy = day;

mth = month;

yr = year;

}

/\*\*

\* Gets the day.

\*/

public int getDay()

{

return dy;

}

/\*\*

\* Gets the month.

\*/

public int getMonth()

{

return mth;

}

/\*\*

\* Gets the year.

\*/

public int getYear()

{

return yr;

}

/\*\*

\* Gets the name of a month. (Ex. 5 = May)

\*/

public String getMonthName()

{

if(mth == 1)

return("January");

if(mth == 2)

return("February");

if(mth == 3)

return("March");

if(mth == 4)

return("April");

if(mth == 5)

return("May");

if(mth == 6)

return("June");

if(mth == 7)

return("July");

if(mth == 8)

return("August");

if(mth == 9)

return("September");

if(mth == 10)

return("October");

if(mth == 11)

return("November");

if(mth == 12)

return("December");

return "You put a non-existent month in.";

}

/\*\*

\* Sets the yr parameter to something new.

\*/

public void setYear(int newYear)

{

yr = newYear;

}

/\*\*

\* Sets the mth, yr and dy to something new.

\*/

public void setEqual(int newMonth, int newDay, int newYear)

{

mth = newMonth;

dy = newDay;

yr = newYear;

}

/\*\*

\* Checks if a date is the same as otherDate.

\*/

public boolean equals(Date otherDate)

{

if(mth == otherDate.getMonth() && dy == otherDate.getDay() && yr == otherDate.getYear())

return true;

else

return false;

}

}

Tester

/\*\*

\* Write a description of class CalenderTester here.

\*

\* @author Dylan Cruz

\* @version (a version number or a date)

\*/

public class DateTester

{

public static void main(String [] args)

{

System.out.print("\f");

System.out.println("Starting The Calender Program.");

System.out.println("");

Date dateOne = new Date(13, 5, 1995);

Date dateTwo = new Date(16, 7, 2001); //Initializing new Date classes.

Date otherDate = new Date(30, 3,1997);

System.out.println("The day of date one is " + dateOne.getDay());

System.out.println("The month number of date one is " + dateOne.getMonth()); //Sampling the get methods.

System.out.println("The year of date one is " + dateOne.getYear());

System.out.println("");

System.out.println("The month of date one is " + dateOne.getMonthName()); //Getting month names.

System.out.println("The month of date two is " + dateTwo.getMonthName());

System.out.println("");

dateOne.setYear(1994); // Setting new years.

dateTwo.setYear(2002);

System.out.println("The new year of date one is " + dateOne.getYear()); //Getting the new years.

System.out.println("The new year of date two is " + dateTwo.getYear());

System.out.println("");

dateOne.setEqual(3, 30, 1998); //Setting date one to something entirely different.

System.out.println("The new date of date one is " + dateOne.getMonth() + "/" + dateOne.getDay() + "/" + dateOne.getYear());

System.out.println("");

if(dateOne.equals(otherDate) == true) //checking of date one is equal to otherDate

System.out.println("Date One and Other Date are equal.");

else

System.out.println("Date One and Other Date are NOT equal.");

}

}