Eli Sobylak 15-Oct-2014

**Lab 3**

Work in pairs. For the files that you will upload to Canvas, each person should upload the files to their account, and each file should have both names at the top

what does the following method return, where myChild is an instance of Infant?

myChild.anotherMonth();

This literally means the instance myChild gets anotherMonth, meaning that it takes the Infant’s age (presumably

Try these exercises, and include the results in your reflection on Chapter 2 for Canvas. (You will need to fill in the public class and public static void main)

* using ssh: connect to ada.
  + create a new subdirectory of your home directory.
  + create a new Java file using nano (or emacs or vi).
  + Test the commands touch, rm and mv.
  + run javac and java.
* Try the following:
  + import java.util.Scanner; public class Echo{ public static void main(String[] args) { String msg; Scanner scan = new Scanner(System.in); System.out.println("Enter a line of text"); msg = scan.nextLine(); System.out.println(msg); } }

import java.util.Scanner;

public class Echo{

public static void main(String[] args) {

String msg;

Scanner scan = new Scanner(System.in);

System.out.println("Enter a line of text");

msg = scan.nextLine();

System.out.println(msg);

}

}

* add a class header and main()

int miles; double gallons, mpg; Scanner scan = new Scanner(System.in); System.out.println("Enter the number of miles"); miles = scan.nextInt(); System.out.println("Enter the number of gallons"); gallons = scan.nextDouble(); mpg = miles/gallons; System.out.println("miles per gallon: " + mpg);

import java.util.Scanner;

public class MPG{

public static void main(String[] args) {

int miles;

double gallons, mpg;

Scanner scan = new Scanner(System.in);

System.out.println("Enter the number of miles");

miles = scan.nextInt();

System.out.println("Enter the number of gallons");

gallons = scan.nextDouble();

mpg = miles/gallons;

System.out.println("miles per galon: " + mpg);

}

}

* Write a java program using one of the following String methods: startsWith(), substring(), replace()

import java.io.\*;

public class Replace{

public static void main(String args[]) {

String Str = new String("Nano is a cool way to Java");

System.out.print("Return Value:" );

System.out.println(Str.replace('N', 'J'));

System.out.print("Return Value:" );

System.out.println(Str.replace('J', 'N'));

}

}

* *Login to the Canvas site* (you can find it using my.evergreen.edu), and do the assignment labelled Lab 3. You will need to download [TestDouble.java](http://ada.evergreen.edu/csf/java14f/labs/TestDouble.java) from ada. You will upload two files to Canvas for this assignment at the end of Lab today.
* If you haven't finished the homework, you can spend some time on that.
* Be sure to spend 20 minutes in lab reflecting on Chapter 3, lecture, and homework for this week.