33.1 Output numbers (method)

public class ExamIIIPractice {

public static void outputNumbers(int x, int y) {

 System.out.println("The numbers are " + x + " and " + y + ".");

 }

 public static String combine(String str1, String str2) {

 return str1 + " " + str2;

 }

 public static void main(String[] args) {

 outputNumbers(5,17);

 String s = combine("Hello", "World");

 System.out.println(s);

 }

}

# 33.2 addThree

public class sum3 {

 // TO DO: define a function called 'addThree' that has three integer inputs and

 // returns the sum of the integers

 public static int addThree(int x, int y, int z) {

 return x + y + z;

 }

 public static void main(String[] args) {

 System.out.println("The sum is: " + addThree(1,2,3));

 }

}

# 33.3 getFirstElement

public class getFirst {

 // TO DO: define a function called 'getFirstElement' that has an integer array parameter and

 // returns the first integer in the array

 int getFirstElement(int arr[]) {

 return arr[0];

 }

 public static void main(String[] args) {

 }

}

# 33.4 Find the maximum in an array (method version)

import java.util.\*;

public class LabProgram {

 // TO DO: complete findMax method

 public static int findMax(int [] arr) {

 int x = arr[0];

 for (int i : arr) {

 if (i > x) {

 x = i;

 }

 }

 return x;

 }

 public static void main(String[] args) {

 Numbers test = new Numbers();

 test.fillRandomly(7, 10); // Fill nums with 10 pseudo-random numbers using seed value 7

 int [] mynums = test.getNums(); // get numbers array

 System.out.println(Arrays.toString(mynums)); // Prints content of array: [236, 164, 485, 44, 380, 254, 968, 649, 850, 534]

 System.out.println(findMax(mynums)); // findMax() should return 968

 }

}

# 33.5 Character Count

public class ExamIIIPractice {

 // TO DO: define a method called 'characterCount' as described above

 public static int characterCount(String s, char ch) {

 int count = 0;

 for (int i = 0; i < s.length(); i++) {

 char c = s.charAt(i);

 if (c == ch) {

 count++;

 }

 }

 return count;

 }

 public static void main(String[] args) {

 // TO DO: call the 'characterCount' method to output the number of times the character 'l' appears

 // in the string "hello"

 System.out.println(characterCount("hello", 'l'));

 }

}