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'));

}

}