Assignment 1: Array Basics

Description: This assignment is meant to test your understanding of arrays in Java. Please copy and paste any code you have created under each section’s prompt.

Section 1.

Please write a method that sums all of the elements in an integer array. Include the method code that you write below:

public int sumIntArray(int[] intArray) {

int sum = 0;

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

sum += intArray[i];

}

return sum

}

Section 2.

Please write a method that determines the maximum element in an integer array. Include the method code that you write below:

public int findMax(int[] intArray) {

int max = intArray[0];

for (int i = 1; i < intArray.length; i++) {

if (max < intArray[i]) {

max = intArray[i]

}

}

return max

}

Section 3.

Please write a method that attempts to locate an element in an array and return the first element in the array that matches the element. If the element is not found returns -1. Include the method code that you write below:

public int findInt(int[] intArray, int element) {

int found = -1;

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

if (intArray[i] == element) {

found = element;

}

}

return found;

}