**Assignment #7:**

These are two separate questions. Each question should have its own .java file.

1. Write a program that will calculate and print the average of numbers in an array.

Use the array initializer to create and initialize the array.

int [ ] myArray = {90, 80, 70, 85, 95}; // calculate and print the average in this array

1. Palindromes are words or phrases that read the same in both directions. Eg: EYE, RACECAR, MADAM IM ADAM, DONT NOD, etc. Implement the method that will test whether a given array of characters is a palindrome or not. The return type is boolean. Assume no spaces or special characters in the array of characters.

class HW {

public static boolean isPalindrome (char[] myPalindrome) {

}

public static void main(String[ ] args) {

char[] myCharArray = {‘R’,’A’,’C’,’E’,’C’,’A’,’R’};

if ( isPalindrome(myCharArray) ) {

System.out.println(“this is a palindrome”);

} else {

System.out.println(“this is not a palindrome”);

}

} // end main

} // end class