1. Correct each array declaration statement that contains a syntax error.
   1. BigInteger[20] largeNumbers;
   2. double numbers[];
   3. String[] studentNames = String[33];
2. What will be displayed as a result of executing the following code?

double[] numbers = {1.1, 2.2, 3.3, 4.4, 9.9};  
System.out.println(numbers.length);  
for (int idx = numbers.length - 1; idx >= 0; idx--)  
 System.out.print(numbers[idx] + " ");  
System.out.println();

1. What will be displayed as a result of executing the following code?

int[] primes = {2,3,5,7,11,13,17,19,23,29,31,37,41,43,47,53,59,61,67,71,73,79,83,89,97};  
System.out.println(primes.length);  
for (int idx = 0; idx < primes.length; idx++)

{  
 System.out.print(primes[idx] + " ");

idx += 2;

}  
System.out.println();

1. What changes would need to be made to the code in problem 3 so that every other prime number is displayed? For example, 2 5 11 17 ...
2. Write code that will compute and display the sum and the average of the numbers stored in the odds array.

int[] odds = {1,3,5,7,9,11,13,15,17,19,21,23,25,27,29};