**Array Declaration Worksheet**

Please enter the code to declare the following arrays properly:

1. Declare an int array named scores that will hold 100 elements.

int[] scores = new int[100];

1. Declare an array named alpha that will hold 500 characters:

char[] alpha = new char[500];

1. Declare an array named tortoise that will hold 50 Turtle objects:

Turtle[] tortoise = new Turtle[50];

1. Declare an array called flag that will hold 75 boolean values:

boolean[] flag;

flag = new boolean[75];

1. Declare an array called num that will hold 1,000 double values:

double num = new double[1000];

1. Assign the length of the array num from #5 to a variable called len:

len = num.length;

1. Assign the value of 10.34 to the second element in the num array above:

num[1] = 10.34;

1. Write a for loop that will print out the elements of the num array on one line:  
   for ()

Create a runner program (has a main menu) that:

1. Prompts the user for the number of current salespeople at the company
2. Creates an array of the correct size based on the number of salespeople
3. Create a “for loop” that will prompt and allow the user to enter the total sales for each salesperson. This step should enter the sales into an element of the array.
4. After the loop that enters the sales, print out the total sales for the company and the average sales per salesperson.
5. List the salesperson and amount that sold the most and the salesperson and amount who sold the least.