Worksheet for Chapter 8

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Read the chapter and answer the following questions. – 10 points each

1. Write the definition of an array.

Answer:

An array is an indexed collection of data elements of the sametype.

1. Write a definition of an index.

Answer:

An index is any expression whose is a nonnegative integer.

1. Declare an array with following characteristics.

It will contain 150 decimals numbers whose name is my\_numbers.

Answer:

double my\_numbers[150];

1. Write a code to initialize the my\_numbers array with numbers from the user.

Answer:

double my\_numbers[150];

For (double i = 0; i < 150; i++){

Cin>> my\_numbers[i];

}

Write a code that will calculate the total of all of the items in my\_numbers array.

Answer:

double my\_numbers[150];

sum= 0;

For (double i = 0; i < 150; i++){

sum = sum + my\_numbers[i];

}

1. What is a “base address”?

Answer:

The base address of an array is the address of the first array component.

1. Write a code to create game\_score array that is 15x10 (hint: create a 2 dimensional array).

Answer:

double game\_score [15] [10];

1. Put “34” in cell (4, 6) of game\_score array.

Answer:

double game\_score [4] [6]= 34;

1. Complete Exercise 8 on p. 593.
2. Free points ☺