# In Class Lab G: Arrays

1. Write a program that declares an array named alpha with 50 components of the type double. Initialize the array so that the first 25 components are equal to the square of the counter (or index) variable and the last 25 components are equal to three times the index variable.
2. Output the array so that exactly ten elements per line are printed.
3. Run your program again, but this time change the code so that the array is filled with random numbers between 1 and 100.
4. Write the code that computes and prints the average of elements of the array.
5. Write the code that that prints out how many of the elements are EXACTLY equal to 100.