Write a C++ program to declare 3 arrays, ArrayA, ArrayB, ArrayC, to hold 25 integers each. Write code to do the following – in this order.

Modify the original program by replace code with the following functions which will be called by main.

- **void ReadArray(int A[ ], int size)**
  - A is the array being sent to functions
  - Size is number of elements in the array

- **void PrintArray( int A[ ], int size)**
  - A is the array being sent to functions
  - Size is number of elements in the array

- **void AddArrays(int A[ ], int B[ ], int C[ ], int size)**
  - Array C is sum of arrays A & B
  - Size is number of elements in the array

- **void MaxArrays(int A[ ], int B[ ], int C[ ], int size)**
  - Array C give max values of A & B
  - Size is number of elements in the array

Read data into ArrayA. Print ArrayA, including the array name and using a counter to number the elements as shown below, with columns aligned.

```
Array A
1.   59
2. 234
3.  90
4. 1285 ...etc.
```

Repeat for Array B.

Compute the contents of ArrayC by adding ArrayA & ArrayB and storing the answer for each location in the corresponding location in ArrayC. Print ArrayC as above.

Recalculate ArrayC by comparing the corresponding locations in ArrayA and ArrayB and placing the maximum value in ArrayC. Print ArrayC as above. That is, C[i] = maximum of A[i] and B[i].

You will be provided a single file with 50 integers. Read the first 25 into ArrayA and the next 25 into ArrayB.

You can use for loops for all of your looping.