

Write the output of the following code:

Main.C	Prob.C	Prob.h
<pre>#include "prob.h"  int main() {     int a = 10;     int b = 10;      cout &lt;&lt; max(a++, ++b) &lt;&lt; endl;     cout &lt;&lt; min(a -= 2, b *= 2) &lt;&lt; endl; }</pre>	<pre>#include "prob.h"  //Implement Functions min and max int min(int a, int b) {     if (a &lt; b) {         return a;     }     return b; }  int max(int a, int b) {     if (a &gt; b) {         return a;     }     return b; }</pre>	<pre>#include &lt;iostream&gt; //Including a System Library using namespace std;  int max(int, int); int min(int, int);</pre>

Write the Output of the Code:

Main.C	Prob.C	Prob.h
<pre>#include "prob.h"  int main() {     int a[] = {0,1,2,3,4};     int a_size = 5;     int b[] = {5,6,7,8,9};     int b_size = 5;     int * c;      c = sumArray(a, a_size, b, b_size);     cout &lt;&lt; "Array C: ";      if (c != NULL) {         for (int i = 0; i &lt; a_size; i++) {             cout &lt;&lt; c[i] &lt;&lt; " ";         }     }      cout &lt;&lt; endl;      cout &lt;&lt; arraySum(a, a_size) &lt;&lt; endl;     //For the Solutions:      jumbleArrays(a, a_size, b, b_size);      cout &lt;&lt; "Array A: ";     for (int i = 0; i &lt; a_size; i++) {         cout &lt;&lt; a[i] &lt;&lt; " ";     }     cout &lt;&lt; endl;     cout &lt;&lt; "Array B: ";     for (int i = 0; i &lt; b_size; i++) {         cout &lt;&lt; b[i] &lt;&lt; " ";     } }</pre>		

	<pre>     }     cout &lt;&lt; endl;      cout &lt;&lt; "Largest Number: " &lt;&lt; largestNumber(a, a_size) &lt;&lt; endl;     cout &lt;&lt; "Smallest Number: " &lt;&lt; smallestNumber(a, a_size) &lt;&lt; endl;     cout &lt;&lt; "Array Sum of B: " &lt;&lt; arraySum(b, b_size) &lt;&lt; endl; } </pre>
Prob.C	<pre> #include "prob.h"  //Get the sum of the rows of the array and return an array of the sums int* sumArray(const int * a, const int a_size, const int * b, const int b_size) {     int * toReturn;     if (a_size != b_size) {         return NULL;     }     toReturn = new int[a_size];     for (int i = 0; i &lt; a_size; i++) {         toReturn[i] = a[i] + b[i];     }     return toReturn; }  //Find summ of all the elements in the array int arraySum(const int * a, const int a_size) {     int sum = 0;     for (int i = 0; i &lt; a_size; i++) {         sum += a[i];     }     return sum; } </pre>
Prob.h	<pre> #include &lt;iostream&gt; //Including a System Library using namespace std;  //Get the sum of each row of the array and return an array of the sums int* sumArray(const int * , const int , const int *, const int ); int arraySum(const int *, const int);  //Write these functions int largestNumber(const int *, const int); int smallestNumber(const int *, const int); //Swaps every other element in the array until it hits the end void jumbleArrays(int *, const int, int *, const int); </pre>

Write the Function largestNumber() and smallestNumber() and jumbleArrays().