

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

Write the Output of the Code:

Main.C	<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); if (c != NULL) { for (int i = 0; i < a_size; i++) { cout << c[i] << endl; } } cout << arraySum(a, a_size, b, b_size) << endl; //For Later problems: /* jumbleArrays(a, b); cout << largestNumber(a, a_size, b, b_size) << endl; cout << smallestNumber(a, a_size, b, b_size) << endl; cout << arraySum(a, a_size, b, b_size) << 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;</pre>

	<pre> if (a_size != b_size) { return NULL; } toReturn = new int[a_size]; for (int i = 0; i < 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 < a_size; i++) { sum += a[i]; } return sum; } </pre>
Prob.h	<pre> #include <iostream> //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(const int * , const int , const int *, const int); </pre>

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