```
1 #include (iostream)
  2 using namespace std;
  5 void mergeSort(int array[], int arraySize) {
        int fronthalf;
        int backhalf:
        if(arraySize % 2 == 0) {
  8
            fronthalf = arraySize/2;
 9
           backhalf = arraySize/2;
        lelse (
           fronthalf = arraySize/2 + 1;
 12
           backhalf =arraySize/2;
 14
        int arrayl[fronthalf];
        int array2[backhalf];
 17
        for(int i=0; i < fronthalf; i++) {
 18
            arrayl[i] = array[i];
 19
        for (int i = fronthalf; i < arraySize; i++) {
 21
            array2[i] =array[i];
24
        int minl;
        int Index1;
27
        for(int i = 0; i ( fronthalf; i++) {
28
29
           for (int j = i+1; j < fronthalf; j++) {
               if(arrayl[i] < min1) {
                    minl = arrayl[j];
34
           array[Index1] = array[i];
           array[i] = minl;
38
      int min2;
      int Index2:
```

File - C:\Users\Administrator\CLionProjects\Problem2\main.cpp