

Mohammed Chowdhury

323.33

Q24

```
1  #include <iostream>
2  #include<fstream>
3  using namespace std;
4
5  int max(ifstream &inFile){
6      int num = -99999;
7      int biggest = -99999;
8      char dummy;
9      //inFile >> dummy >> dummy >> dummy; //comment out on windows
10     while(inFile >> num){
11         //inFile >> num;
12         if(num >= biggest ){
13             biggest = num;
14         }
15     }
16     return biggest;
17 }
18 int inc(ifstream &inFile, int arr[]){
19     int num;
20
21     char dummy;
22     //inFile >> dummy >> dummy >> dummy; //comment out on windows
23     while(inFile >> num){
24         //inFile >> num;
25         arr[num]++;
26     }
27 }
28 }
```

```
int main(int argc, char* argv[]){
    ifstream input;
    ofstream output;

    input.open(argv[1]);
    if(input.fail()){
        cout<< "File failed to open, make sure input file name is typed correctly"<<endl;
        exit(1);
    }
    output.open(argv[2]);
    int size = max(input);
    int dataAry[size];
    input.close();
    input.open(argv[1]);
    for(int i = 0 ; i < size; i ++){
        dataAry[i] = 0;
    }
    inc(input,dataAry);
    for(int i = 0 ; i < size; i ++){
        for(int x = 0; x < dataAry[i]; x++){
            output<< i << endl;
        }
    }
}
```

outFile :

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