

A4 #include <bits/stdc++.h>  
using namespace std;

~~int~~ void countSort(int arr[], int n, int min,  
int max)

{

int m = max - min + 1;  
vector<int> v(m, 0);  
for (int i = 0; i < n; i++)  
v[arr[i] - min]++;

for (int i = 0; i < m; i++)  
for (int j = 0; j < v[i]; j++)  
cout << (i + min) << " ";

}

int main () {

int arr[] = { 5, 0, 100, 40, 8 };

int min = 0, max = 100;

int n = sizeof(arr) / sizeof(arr[0]);

countSort(arr, n, min, max);

return 0;

}