

HW01
Name:Linxi Li
NetID:II338
002:
Pass 10/10 , score 100

Status

Status Miss

When	ID	Status	Problem	Time	Memory	Language	Author
2021-3-28 14:46:25	v54645268334	Accepted	018	11ms	3MB	C++	II338
2021-3-28 14:46:16	91d716c2320e	Accepted	003	1606ms	41MB	C++	II338
2021-3-28 14:46:05	c6ba275ce888	Accepted	002	5ms	3MB	C++	II338

Accepted

Time: 5ms Memory: 3MB Lang: C++ Author: II338

ID	Status	Memory	Time	Score
1	Accepted	3MB	1ms	10
2	Accepted	3MB	1ms	10
3	Accepted	3MB	1ms	10
4	Accepted	3MB	5ms	10
5	Accepted	3MB	5ms	10
6	Accepted	3MB	4ms	10
7	Accepted	3MB	5ms	10
8	Accepted	3MB	4ms	10
9	Accepted	3MB	4ms	10
10	Accepted	3MB	4ms	10

003
Passed

Status

Status Miss

When	ID	Status	Problem	Time	Memory	Language	Author
2021-3-28 14:46:25	v54645268334	Accepted	018	11ms	3MB	C++	II338
2021-3-28 14:46:16	91d716c2320e	Accepted	003	1606ms	41MB	C++	II338
2021-3-28 14:46:05	c6ba275ce888	Accepted	002	5ms	3MB	C++	II338

Accepted

Time: 1606ms Memory: 41MB Lang: C++ Author: II338

```
#include <iostream>
using namespace std;
void merge(int*, int, int, int);
void merge_sort(int* arr, int low, int high)
//Basically what I did was simply copy and paster my SORT1 and change the range of my temporary list so I can save more number in it.
{
    int mid;
    if (low < high) {
        //Divide it by two arrays, sort them seperately, and then merge them together
        mid = (low + high) / 2;
        merge_sort(arr, low, mid);
        merge_sort(arr, mid + 1, high);
        merge(arr, low, high, mid);
    }
}
// Merge sort
void merge(int* arr, int low, int high, int mid)
{
    int i, j, k, c[5000000];
    i = low;
    k = low;
    j = mid + 1;
    // Divide one array into two, and sort them together
    while (i <= mid && j <= high) {
        if (arr[i] < arr[j]) {
            c[k] = arr[i];
            k++;
            i++;
        }
        else {

```

018:

PASS 10/10, score 100

Status

Status Menu

When	ID	Status	Problem	Time	Memory	Language	Author
2021-3-28 14:46:25	e54645986034	Accepted	018	11ms	3MB	C++	8338
2021-3-28 14:46:16	91d71dc2329e	Accepted	003	1600ms	41MB	C++	8338
2021-3-28 14:46:05	caba0725ce088	Accepted	002	5ms	3MB	C++	8338

Accepted

Time: 11ms Memory: 3MB Lang: C++ Author: 8338

ID	Status	Memory	Time	Score
1	Accepted	3MB	11ms	10
2	Accepted	3MB	11ms	10
3	Accepted	3MB	11ms	10
4	Accepted	3MB	11ms	10
5	Accepted	3MB	11ms	10
6	Accepted	3MB	7ms	10
7	Accepted	3MB	7ms	10
8	Accepted	3MB	11ms	10
9	Accepted	3MB	6ms	10
10	Accepted	3MB	6ms	10