WEEK - 8

⌄ Week-08-Sorting Algorithms-Bubble and Selection

📋 Coding   ✓ Done

⌄ Assessment-08-Sorting Algorithms-Bubble and Selection
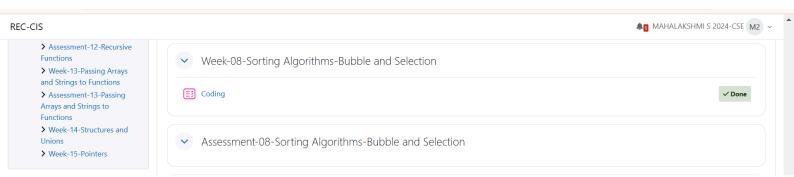
```c
#include<stdio.h>
#include<stdlib.h>
#include<limits.h>
int cmp(const void * a, const void * b){
    return(*(int *)a - *(int *)b);
}
int main(){
    int a, b, c;
    scanf("%d", &a);
    while(a--){
        scanf("%d %d", &b, &c);
        int d[b];
        for(int i = 0; i < b; i++){
            scanf("%d", &d[i]);
        }
        qsort(d, b, sizeof(int), cmp);
        int mas = 0;
        for(int i = c; i < b; i++){
            mas += d[i];
        }
        int mis = 0;
        for(int i = 0; i < b - c; i++){
            mis += d[i];
        }
        printf("%d\n", (mas - mis));
    }
}
```

	Input	Expected	Got	
✓	1 5 1 1 2 3 4 5	4	4	✓

Passed all tests! ✓

```c
#include<stdio.h>
int main(){
    int a;
    scanf("%d", &a);
    int b[a], c[a];
    for(int i = 0; i < a; i++)
    scanf("%d", &b[i]);
    for(int i = 0; i < a; i++)
    scanf("%d", &c[i]);
    int s = 1;
    for(int i = 0; i  < a; i++){
        if(c[i] <  b[i]){
            s = 0;
        }
    }
    (s == 1)?printf("yes"):printf("No");
}
```

	Input	Expected	Got	
✓	5 123 146 454 542 456 100 328 248 689 200	No	No	✓

Passed all tests! ✓

```c
#include<stdio.h>
int main(){
    int a;
    scanf("%d", &a);
    int b[a];
    for(int i = 0; i < a; i++){
        scanf("%d", &b[i]);
    }
    int c = 0;
    for(int i = 0; i < a; i++){
        for(int j = i  + 1; j  < a; j++){
            if(b[i] == b[j]){
                c++;
            }
        }
    }
    printf("%d", c);
}
```

	Input	Expected	Got	
✓	5 1 3 1 4 3	2	2	✓

Passed all tests! ✓

```c
#include<stdio.h>
#include<stdlib.h>
int cmp(const void * a, const void * b){
    return(* (int*)a - * (int *)b);
}
int main(){
    int a;
    scanf("%d", &a);
    int b[a], c[a];
    for(int i = 0; i  < a; i++){
        scanf("%d", &b[i]);
        c[i] = b[i];
    }
    qsort(c, a, sizeof(int), cmp);
    for(int i = 0; i < a; i++){
        for(int j = 0; j < a; j++){
            if(c[i] == b[j]){
                printf("%d ", j);
            }
        }
    }
}
```

	Input	Expected	Got	
✓	5 4 5 3 7 1	4 2 0 1 3	4 2 0 1 3	✓

Passed all tests! ✓