

In this homework, we are going to learn how we can sort arrays.

**Question 1.** Write a program to get input  $n$  and  $n$  numbers and save them into an array. Then sort this array using [selection sort](#) in ascending order. Finally print the array.  
assume  $n < 1000$

**Remember** we solved this problem using an auxiliary array in class. here we can only use 1 array.

Sample Input:

```
6
1 50 23 980 3 67
```

Output:

```
1 3 23 50 67 980
```

**Question 2.** Write a program to get input  $n$  and  $n$  numbers and save them into an array. Then sort this array using [\*bubble sort\*](#) in ascending order. Finally print the array.  
assume  $n < 1000$

Sample Input:

```
6
1 50 23 980 3 67
```

Output:

```
1 3 23 50 67 980
```