LABWORK 5.1

In this labwork, an implementation is expected according to the functions described below.

Function 1 (30 pts): This function should return the second largest value in an array.

- Name of the function: findSecLargest
- Return type: int
- Input parameters: 2 (int)
- **Do not** print anything in this function.

```
Original array: 7 81 69 55 47 33 61 75
Second largest element: 75
```

Function 2 (50 pts): The bubble sort algorithm should be implemented in this function. It is expected to arrange a randomly given array from smallest to largest.

- Name of the function: bubbleSort
- Return type: void
- Input parameters: 2 (int)
- **Do not** print anything in this function.

  Note: Bubble Sort is a sorting algorithm that iteratively scans through a list, checks neighboring elements, and exchanges their positions if they are out of order. This process is reiterated until the entire list is arranged in the correct order.

```
Original array: 7 81 69 55 47 33 61 75
Sorted array: 7 33 47 55 61 69 75 81
```

Main Function (20 pts):

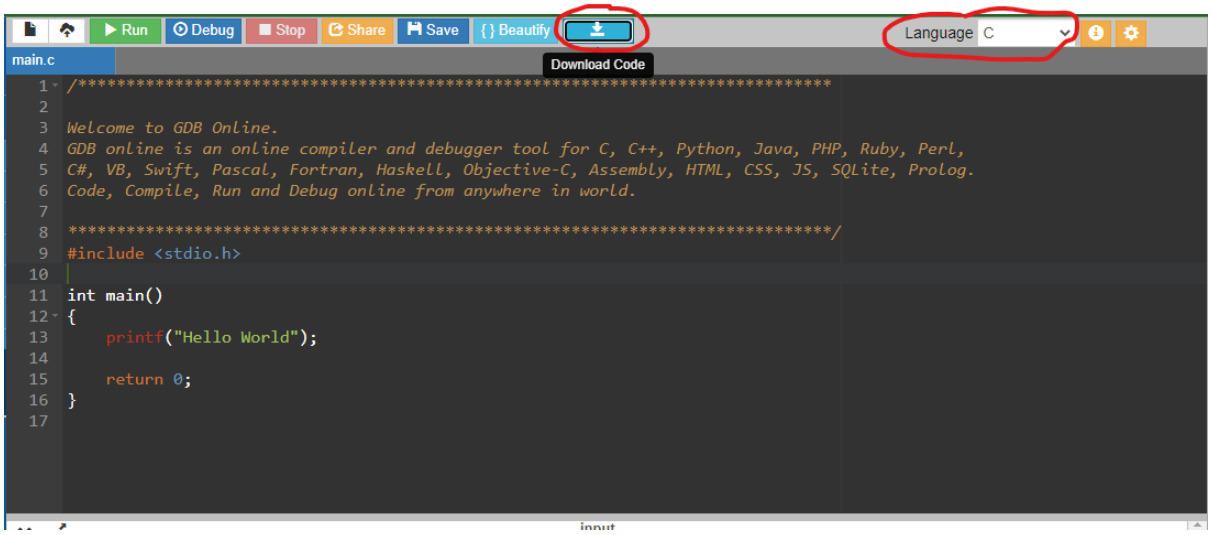
- Name of the function: main
- Return type: int
- Input parameters: none

- An array must be defined. (Example values; 7, 81, 69, 55, 47, 33, 61, 75)
- The defined array must be printed to the terminal.
- Second largest element and sorted array should be printed to the terminal.

```
Original array: 7 81 69 55 47 33 61 75
Second largest element: 75
Sorted array: 7 33 47 55 61 69 75 81
```

Restrictions

- If you are not sure something is free to use or not please ask your assistant
- You have to do your job by the functions given to you. If you complete the labwork without using functions, your work will not be graded.
- Mobile phone and internet usage are not allowed.
- You can only access yulearn and online c-compiler https://www.onlinegdb.com/
- Do not forget to select a language if you use onlinegdb. When you finish your work, you can download your code by using download code button on top of the window.



Submission

- Submit your C file with the format "**name_surname.c**" (use your name and surname)
- Do not submit a word document, text file or executable (a.out)