Lab 3 – Question 2

```c
#define SIZE 50
int main()
{
    int arr[SIZE] = {0};
    int actual_size;

    printf("Please, Enter the array size between 1 and %d: ", SIZE );
    scanf("%d", &actual_size);

    while(actual_size < 0 || actual_size > SIZE){
        printf("Invalid array size. \n");
        printf("Please, Enter the array size between 1 and %d: ", SIZE );
        scanf("%d", &actual_size);

    }
    // Take the array elements from the user
    printf("Enter %d array elements separated by space: ", actual_size);
    for (int i = 0; i < actual_size; i++){
        scanf("%d", &arr[i]);
    }
    // Print the array elements
    printf("Your array is: ");
    for (int i = 0; i < actual_size - 1; i++){
        printf("%d, ", arr[i]);
    }
    printf("%d.", arr[actual_size - 1]); //  to solve the last "," in the array ==> 1, 2, XXX
    printf("\n");
    return 0;
}
```

```
"H:\3) C\Labs\Lab_3\Lab3_Task3\bin\Debug\Lab3_Task3.exe"
Invalid array size.
Please, Enter the array size between 1 and 50: 3
Enter 3 array elements separated by space: 1 5 7
Your array is: 1, 5, 7.

Process returned 0 (0x0)   execution time : 11.856 s
Press any key to continue.
```

Lab 3 – Question 3

```c
#include <stdio.h>
#include <stdlib.h>
#define SIZE 10

int main() {
    int arr[SIZE] = {-1, 2, 4, 7, 100, 4, 0, -3, -9, 10};
    int max = arr[0];
    int min = arr[0];

    for (int i = 1; i < SIZE; i++) {
        if (arr[i] > max) {
            max = arr[i];
        } else if (arr[i] < min) {
            min = arr[i];
        }
    }

    printf("In this Array: ");
    for(int i = 0 ;i< SIZE ;i++){
        printf("%d, " , arr[i]);
    }
    printf("\n");
    printf("Max Number is: %d\n", max);
    printf("Min Number is: %d", min);

    return 0;
}
```

```
"H:\3) C\Labs\Lab_3\Lab3_Task2\bin\Debug\Lab3_Task2.exe"
In this Array: -1, 2, 4, 7, 100, 4, 0, -3, -9, 10,
Max Number is: 100
Min Number is: -9
Process returned 0 (0x0)   execution time : 0.015 s
Press any key to continue.
```