Instructions:

1- Create a folder with your full name on the desktop.
2- Create 10 Text Documents inside the folder and name them Q1, Q2 ... Q10.
3- Save your codes inside the Text Documents.

Q1. Write a C++ program that initializes an array of integers with the values 6, 3, 8, 9, 1, 0, and 4. Then, print elements 9 and 4. Also, change the values of index 1 and 2 to 45 and 88 respectively, and print entire array.

Q2. Write a program where the user inputs 5 numbers into an array, then finds and prints the square of each number.

Q3. Write a program that copy all elements in array **first[]**={"Saman", "Sozan", "Ahmad", "Shwan","Narmeen"} to another array **names[]**.

Q4. Write a C++ program that find the largest number of the array myArray[]={ 2.5 , -6.1 , 0.56 , 12.9 , -8.3 , 10.5 , 12.97}.

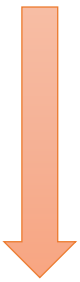
Q5. Write a C++ program that allows a user to input 6 numbers to an array and calculate the sum of numbers inside the array.

Q6. Write a C++ program that initializes an array of integers with the values 7, -3, 8, 9, -1, 11, and -47. Then, check how many positive and negative numbers in that array.

Q7. Write a C++ program that initializes an array of integers with the values 63, 76, 45, 77, 0, 110, and 55. Then, search if the array has zero element or not.

Q8. Write a C++ program that initializes a 2D array (row=3, column=2)and calculates the sum of all the elements.

Q9. Create a C++ program that prompts the user to enter integers into a 2D array (row=2, column=5). Then, find and print the average of elements in the array.



Q10. Write a C++ program that generates random numbers between 1 to 10 in a 3D Array [3][4][5] and print the array. Then print the number of odd and even numbers.

Sample Output:

```
4 6 1 5 8
5 1 10 4 9
2 3 6 8 7
7 7 5 1 10

5 9 6 10 5
1 5 10 6 1
10 1 6 2 7
3 9 7 4 4

5 5 6 2 4
2 9 2 8 1
3 2 9 9 3
3 9 7 5 6

Number of Odd Numbers: 34
Number of Even Numbers: 26
```