

*Department of Computer Science*  
*University of BATNA 2*  
*Forth Practical Work*  
*2023/2024*

**Program 1 :**

**OBJECTIVE** Learn how to enter and display a one-dimensional array

Given an array of integers Tab of size N such that:  $1 < N \leq 100$

❖ **Write a C program that allows you to:**

- 1- Enter and check the dimension N of the array Tab
- 2- Input the elements of the array Tab
- 3- Display the elements of the array Tab

**Program 2 :**

**OBJECTIVE** Learn how to insert an element in a one-dimensional table

**Write a C program that allows you to:**

- ❖ Enter and display an array of N integers such that:  $1 < N \leq 10$
- ❖ Then insert a value at position pos

NOTE: We need to control the position pos

- ❖ display the array after insertion

**Program 3 :**

**OBJECTIVE** Learn how to delete an element in a one-dimensional table

**Write a C program that allows you to:**

- ❖ Enter and display an array of N integers such that:  $1 < N \leq 10$
- ❖ Then delete a value at position pos

NOTE: We need to control the position pos

- ❖ display the array after deletion

**Program 4:**

**OBJECTIVE** Learn how to sort a one-dimensional table

Write a **C** program that allows you to:

- ❖ Enter and display an array of N integers such that:  $1 < N \leq 10$
- ❖ Then sort it in ascending order