#### REPUBLIQUE ALGERIENNE DEMOCRATIQUE ET POPULAIRE

MINISTERE DE L'ENSEIGNEMENT SUPERIEUR ET DE LA RECHERCHE SCIENTIFIQUE



زارة التعليم العالى والبحث العلمي

#### REPUBLIQUE ALGERIENNE DEMOCRATIQUE ET POPULAIRE الجمهورية الجزائرية الديمقراطية الشعبيـة

MINISTERE DE L'ENSEIGNEMENT SUPERIEUR
ET DE LA RECHERCHE SCIENTIFIQUE

ECOLE SUPERIEURE EN SCIENCES APPLIQUEES

\_T L E M C E N\_



زارة التعليم العالى والبحث العلمي المحدد العلمي المعدد العلم العلم العلم التعلم التطبيقية

#### **Practical Work Number 2**

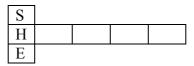
## **C Programming -Arrays-**

# **Objective**

The objective of this practical work is to manipulate arrays of characters and strings.

## Part 1

Given a small crossword puzzle presented above:



-Write a program that checks the letters entered by the user to find the exact word (HELLO).

If there is an error in a letter, the program asks the user to re-enter the input.

The user is allowed 3 repetitions.

## Part 2

Write a program that allows you to:

- 1) Read your surname entered from the keyboard
- 2) Read your first name entered from the keyboard
- 3) Calculate and display the number of characters in your surname
- 4) Calculate and display the number of characters in your first name
- 5) Convert your surname entirely to uppercase

ASCII codes are given: 'A'=65 ...'Z'=90, 'a'=97......'z'=122

- 6) Create a variable named "fullname" that contains your full name; this variable is constructed by concatenating your surname and first name
- 7) Check if the letter 'A' or 'a' exists in your full name