

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:

S				
H				
E				

-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