
Worksheet 4 « Strings and structures»

Exercise 1

Write a program that count uppercase, lowercase, special character, and numeric values in a string.

Exercise 2

Write a program to capitalize the first letter of each word of a given string.

Exercise 3

Write a program to count the number of word occurrences in a string.

Exercise 4

Write a program to reverse a string entered by the user.

Exercise 5

Write a program to check if a given string is a Palindrome or not.

Example : radar is palindrome

Exercise 6

Write a program that perform the addition of two complex numbers using structures .

N.B Let $\text{Sum}(x + iy)$ is the sum of $C1$ and $C2$

$$\text{Sum} = C1 + C2$$

$$(x + iy) = (a + ib) + (c + id)$$

$$(x + iy) = (a + c) + i(b + d)$$

Exercise 7

Write a program to check Time Difference, we consider time as : hour,minutes,secondes .

Exercise 8

a person is identified by his last name, first name, address and date of birth (dd/mm/yyyy). Write a program using structures to input the information of 10 persons.