Tutorial No. 7 : Files

Exercise 1:

A person is characterized by their last name, first name, and age. Using algorithms, and considering both text files and binary files, do the following:

1. Declare the data structure *Person*.
2. Declare three records p1, p2, and p3 of type *Person*.
3. Declare two files of persons named *filePersT and filePersB*.
4. Create:
   - a text file named *persons* in the root directory D**:**,
   - and a binary file named *personsBin* in the same directory.
5. Enter the information (last name, first name, and age) for p1, p2, and p3 *(using a procedure)*.
6. Write the records p1, p2, and p3 to:
   - the text file *persons*,
   - and the binary file *personsBin*.
7. Browse each file (*persons* and *personsBin*) and display the names of persons whose age is less than 20 years.

Exercise 2:

Let F1 and F2 be two files containing words. Each word is a character string.

1. Write an algorithm that builds a file F3, such that F3 contains the words from F1 that do not exist in F2 (assume that F1 and F2 already exist).
2. Write an algorithm that removes duplicate words from F1.

printf("It is by trying again and again that one finally succeeds. ");