### **Lecture 2: C Programming Language**

#### **Creating a File**

To create a file, we will use a plain text editor like Notepad or Vim based on the operating system.

#### **File Identity**

* **Name**: The identifier for the file.
* **Extension**: CamelCase is used to separate the name and extension, with a dot (.) in between.

#### **Program Structure**

* A program is a set of instructions.
* In the context of C programming language:
  + A program is a set of functions.
  + A function is a set of instructions.

#### **Function Naming**

* Every function in a file must have a unique name.
* The function that is supposed to be executed first should be named main.

Example:

abcd.c -> lmnop(), pqe(), xyz(), main()

* main is called the entry point function.

#### **Program Execution**

* We will ask the operating system (OS) to execute the program.
* Regardless of what is written in the program, the OS will always start execution from the main function.
* Functions will not be called automatically; they must be explicitly called within the program.