

# C Language Live Community Classes

## Assignment 1

### 1. Why do computers understand only binary language?

**Ans:** Because computer contains a collection of hardware devices such as Hard disk, RAM, ROM, CPU etc. For RAM it contains million of capacitors and capacitor is an electrical device and its purpose is to store charge so that's why computer only understand the binary language in the form (i.e; 1010).

### 2. What is the full form of IDE?

**Ans :** Integrated Development Environment

### 3. What is the difference between a text editor and a code editor?

**Ans :** A text editor simply allows to write and edit text. Whereas a code editor is also a text editor but it also helps you to write code.

### 4. What are the steps to develop software using the C language?

**Ans :** There are two steps:

1. Create a source file (.C file)
2. Build a software. (.exe file).....executable file

### 5. Explore by your own:

#### a) What is the latest version of C Language?

**Ans:** C17 is the latest version for the C programming language. Published in June 2018.

#### b) Who developed C Language?

**Ans:** C language developed in 1970s by American scientist **Dennis M. Ritchie**.

**c) What is the difference between System and Application Software?**

**Ans:** The system software manages the computer system resources. It also acts as a platform to run application software. On contrast, Application software is the users requirements to perform a specific task.

**d) How to convert a number from a decimal number system to a binary number system?**

**Ans:**

**For example: find the binary equivalent of 7 is:**

2	7
2	3-1
2	1-1

**Ans:**  $7_{10} = 111_2$