

# C Language Live Community Classes

## Assignment 1

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

Computers use binary to store data. Not only because it's a reliable way of storing the data, but computers only understand 1s and 0s — binary. A computer's main memory consists of transistors that switch between high and low voltage levels — sometimes 5V, sometimes 0. That reading is done by the computer's processor which reads the transistor state — high or low — to control the computer's other devices, according to software instructions.

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

An integrated development environment (IDE) is software for building applications that combines common developer tools into a single graphical user interface (GUI)

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

A text editor simply allows you to write and edit text and it does not have anything built-in to help you to code whereas a code editor is also a text editor but it also helps you write code.

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

Step 1: Download Code Editor

Step 2 : Install Code Editor

Step 3 : Step 3: Create First Project

Step 4: Write Your Program

Step 5: Save and Compile Code

Step 6: Run Your Code

## **5. Explore by your own -**

1. What is the latest version of C Language?

Answer - C17

2. Who developed C Language?

Answer - Dennis Ritchie

3. What is the difference between System and Application Software?

The system software is used for operating computer hardware. On the other hand Application software are installed according to user's requirements.

4. How to convert a number from a decimal number system to a binary number system?

- Write down the number.
- Divide it by 2 and note the remainder.
- Divide the quotient obtained by 2 and note the remainder.
- Repeat the same process till we get 0 as the quotient.
- Write the values of all the remainders starting from the bottom to the top.

