**C Language Live Community Classes Assignment 1**

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**Assignment-1**

1. Why do computers understand only binary language?

*Answer-* 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.

1. What is the full form of IDE?

*Answer- The Full form of IDE is –Integrated Development Environment*

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

*Answer- Text editor - Text editor is simpily allows to write and edit the text but it does not have anyt hing built in to help us to code*

*Code editor- A code editor is also a text editor but it also helps us to write code.*

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

*Answer- There are two steps to develop software using the c language*

1. Create a source file.
2. Build a software.
3. Explore by your own
   1. What is the latest version of C Language?

*Answer- The latest version of C language is C17.*

* 1. Who developed C Language?

*Answer- An American Scientist- Dennis M. Retchie developed the C-language in 1970.*

* 1. What is the difference between System and Application Software?

*Answer- The system software is used for operating computer hardware and 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?

*Answer- An easy method of converting decimal to binary number equivalents is to write down the decimal number and to continually divide-by-2 (two) to give a result and a remainder of either a “1” or a “0” until the final result equals zero.*

*Example- 2/5= reminder is = 1 , quotient is = 2*

*2/2 = reminder is = 0 , quotient is = 1*

*Binary number of 5 is = 101*