**Assignment - 1 C Language LIVE Community Classes MySirG**

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

**Answer-** Every software or operation we perform in computer is running in RAM , once you click on software icon it came into RAM for running, RAM is consist of many numbers of Capacitors who are either ON or OFF state, that means either Charged or not Charged, computer consider 0 as OFF and 1 as ON state of capacitor, that's why computer only uses binary language.

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

**Answer-** Full form of IDE is Integrated Development Environment.

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

**Answer-** Text Editor are specifically only made to write any kind of text, we can write our code in text editor but like code editor, functional support is not provided in text editor, functional support means highlighting wrong entered keywords, signs etc.

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

**Answer-** Firstly we need code editor or text editor to write down code, then we need compiler to paste this written code , compiler will compile this source code and generate binary file, this file is saved as .exe extension, this is our software also. (exe file)

**5. Explore by your own**

**a. What is the latest version of C Language?**

**Answer:**  Latest version is C17 which was released in 2018 and we are expecting C23 version in 2024

**b. Who developed C Language?**

**Answer:** Dennis Ritchie developed C language.

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

**Answer:**

**System Softwares:** are made to manage computer hardware they also provide services to Application software ex: Operating systems, Drivers and other utilities.

**Application Software:** these softwares are made for performing specific tasks, they run on top of operating system, and uses the services provided by system softwares.

**D. How to convert a number from a decimal number system to a binary number system?**

**Answer:** For that you need to subtract that number with 2 until Quotient =0, right down remainder each time and reverse the remainders , now that's the binary number for your decimal number