**C Language Live Community Classes Assignment 1**

**Assignment-1**

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

**Ans:** 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.

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

**Ans:** Full form of IDE is integrated development environment.

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

**Ans:** 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?

**Ans:**

Step 1: Download Dev/C++ ...

Step 2: Install Dev/C++ ...

Step 3: Create First Project. ...

Step 4: Write Your Program. ...

Step 5: Save and Compile Code. ...

Step 6: Run Your Code. ...

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

**Ans:** Latest version of C language is C17.

**6.** Who developed C Language?

**Ans:** C language is developed by [Dennis Ritchie](https://www.google.com/search?rlz=1C1CHBF_enIN1012IN1012&sxsrf=ALiCzsYd-MmuqEFElDN7iErzkRTLrEszeg:1657115319060&q=Dennis+Ritchie&stick=H4sIAAAAAAAAAONgVuLQz9U3MLI0Nn7EaMwt8PLHPWEprUlrTl5jVOHiCs7IL3fNK8ksqRQS42KDsnikuLjgmngWsfK5pOblZRYrBGWWJGdkpgIAndBlFFMAAAA&sa=X&ved=2ahUKEwiV58bPs-T4AhW7TGwGHWmvB8wQzIcDKAB6BAgMEAE).

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

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

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

**Ans:** The rules to convert decimal to binary numbers are given below:

A. Write down the number.

B. Divide it by 2 and note the remainder.

C. Divide the quotient obtained by 2 and note the remainder.

D. Repeat the same process till we get 0 as the quotient.

E. Write the values of all the remainders starting from the bottom to the top.