C Language Live Community Classes

Assignment-1

1. Why do computers understand only binary language?

   *** A computer is machine which works with a power supply.
   A power supply will be operated in only two steps, one ON and the other OFF.
   ON is treated as digit "1" and OFF is treated as digit "0".

2. What is the full form of IDE?

   *** the full form of IDE is **integrated development environment** .

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?

   i)   Create a source file.
   ii)   Build a software.

5.
a) What is the latest version of C Language?

   *** **C17** (Published in June 2018) is the latest version of C language.

b) Who developed C Language?
   *** American computer scientist **Dennis M. Ritchie** developed C language (1970).

c) What is the difference between System and Application Software?
   *** The system software manages the computer system resources. It also acts as a platform to run application software. On the other hand Application software is installed according to the users requirements to perform a specific task.

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

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