

1. Why do computers understand only binary language?

Ans – Computer has been designed such a way that it can't read the general language or symbols which we generally use in our real life. Computer understand only machine language I.e the actual 0s(off) and 1s (on) the computer executes. 0s and 1s are called binary language therefore computer uses only binary language.

2. What is the full form of IDE?

Ans - IDE – Integrated Development Environment .

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

Ans - **Text editor** is used to view or edit the text . It can't run the code.  
Ex – notepad

**Code editor** is used for editing and running the code/programs. Its has various features like auto indent, bracket matching, comments, strings etc. code editor are mostly integrated with IDE.  
Ex – Notepad ++ , visual studio etc.

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

Ans - 1. Preprocessing 2 . Compilation 3 . Assembly 4. Linking

5. Explore by your own

a. What is the latest version of C Language?

Ans – C17

b. Who developed C language ?

Ans – Dennis Ritchie

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

**Ans – A system software acts as an interface between the system and the application software. The various operating systems are the best example as it allows the user to download and work with various applications on their device.**

**On the other hand, Application Software is designed for users. The application can be added to system software. For example, Notepad is an application of MS windows, which is system software.**

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

**Ans – Steps 1 – Write down the number.**

**2. Divide it by 2 and note the remainder.**

**3. Divide the quotient obtained by 2 and note the remainder.**

**4. Repeat the same process till we get 0 as the quotient.**

**5. Write the value of all the remainder starting from the bottom to the top.**