**Assignment-1**

1. Why do computers understand only binary language?

Ans : Computer Understand Only 0 and 1 Which means Low voltage and high voltage. As computer is a electronic machine it understand voltage difference.

2. What is the full form of IDE? Ans: Integrated development Environment.

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

Ans: https://www.softwaretestinghelp.com/best-code-editor/

Code editors or source code editors are software that is designed specifically to help developers with coding. These are text editors with additional functionalities to manage and edit code. It can be standalone or it can be a part of an IDE.Code editors have more functionalities than plain text editors. Plain text editors don’t offer features like syntax highlighting and auto indentations. Also, the code editors are not IDE.IDE includes debugging functionalities, code generators, and many other complex functionalities to help the developers, whereas code editors help developers in coding. According to programming languages, it highlights keywords and syntax errors.

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

Ans: Step 1 : Setup environment for 'C' Language i.e., install IDE.

Step2: Create file example test.c

Step3 : Write code in code editor in test.c.

Step4 : Debug and build up it then test.exe file will created.

Step5: Run test.exe file

5. Explore by your own

1. What is the latest version of C Language?

Ans : C17

2. Who developed C Language? Ans : Dennis Ritchie

3. 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.

4. How to convert a number from a decimal number system to a binary number system? Ans: Write down the number.

Divide it by 2 and note the remainder.

Divide the quotient obtained by 2 and note the remainder.

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

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