Assignment-1

1. Why do computers understand only binary language?

Ans: Computers are electronic device they take signal in form of electrical inputs as and store it in form of 0 and 1.

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: A text editor is only available for writing-up task beside a code editor comprises of addition tools and features like which helps in writing code by highlighting text and giving suggestion.

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

Ans: Using C language there are following steps need to follow for creating a software as

Step 1. Creating a source file Saving it as “Sample.c” dot c is an Extension for the source file.

Step 2. Now building the source file (Sample.c) using some software(Preprocessor,Compiler,Linker).

Step 3. The following Software will generate a dot exe file “Sample.exe” which is our Executable file or Software.

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: **System Software** are general purpose software , they are interface between application. System Software maintains the system resources and gives the path for application software to run. An important thing is that without system software, system cannot run software and system. Low Level language is used to build system software.

    Application Software is the type of software that runs as per user request. It runs on the platform which is provided by system software. High level languages are used to write the application software. It's a specific purpose software

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

    Ans: We use power of 2 to denote/represent a decimal number into binary or we can say its binary conversion method for obtaining a binary number from decimal number.