

Assignment 1

- 1) Why do computers understand only binary language
 → Computer understand binary language because it's easy to understand. If const contains 0's & 1's to store data which has values.
 It is ~~is~~ 1 if it is consider to be ON or high 0 if it is consider to be OFF or Low.

2) What is full form of IDE?
 → Integrated Development Environment.

3) What is difference b/w text editor & code editor?
 → In ~~text~~ text editor - normal text are write and even code can be written.

It looks like a paragraph form where you have to edit if you want
 In code editor → In which you write codes it has colours for some specific instruction ~~if pro~~

It is programmer friendly. Used for writing codes specially.

4) Steps to develop software.

- 1) First you have to create a source file written in language like C

2) Build a Software.

5) Latest version of C → C17 is latest version
 Development of C → Dennis Ritchie

What is difference of System & Application Software
 → System software is already build in the system
 It acts as an interface between system & application software. The application software designed for users which is build by developer.

How to convert a no. from a decimal no. system
to binary no. system

→ The Source File is converted to Binary with help of Build.

Take a no.

Divide by 2 and note remainder.

Divide quotient by 2 and note remainder

Repeat this until the quotient is 0.

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

eg

$$\begin{array}{r} 2 | 8 \\ 2 | 4 \quad 0 \\ 2 | 2 \quad 0 \\ 2 | 1 \quad 0 \\ 0 \quad 1 \end{array}$$

Binary .

8 → 1 0 0 0.