

## Assignment - 1

- 1) Computers have hardware like RAM, ROM, hard disk, processor etc. and it is easy to represent it in two states rather than many states so it understands only binary language i.e. 0 & 1.
- 2) IDE stands for Integrated Development Environment.

### 3) Text Editor

- Text editor is used to edit text files.
- Notepad is best example of text editor.

### Code Editor

- Code editor is meant to edit code with various features like auto indent, keywords, pre-processor, etc.
- These are mostly integrated with IDE.

- 4) To develop software using C language there are two steps
- ① Creating a source file
  - ② Build a software

5) a] Latest version of C language is C17

b] Dennis Ritchie developed C language

c] System software

- system software serves as interface between application software & hardware of the computer.

- It manages computer resources and enable computer to function smoothly.

Application software

- Application software serves as interface between system software and end-user.

- It is user-specific and helps users to manage and perform specific tasks.

d] To convert a decimal number to binary number we divide the number by 2. For example -

$$\begin{array}{r|l} 2 & 5 \\ \hline 2 & 2 \\ \hline & 1 \end{array} \quad 101$$

$$\Rightarrow (5)_{10} = (101)_2$$