Assignment -1

1) Computers have hardwares 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	Code Editor
• Text editor is used to edit text files.	• Code editor is meant to edit code with various features like auto indent, keywords, pre-processor, etc.
• Notepad is best example of text editor.	• 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	Application software
• System software serves as interface between application software & hardware of the computer.	• Application software serves as interface between system software and end-user.
• It manages computer resources and enable computer to function smoothly.	• 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 -

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2|5
2|2    101
 |1
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$\Rightarrow (5)_{10} = (101)_{2}$