Assignment-1

Q.1 Why do computers understand only binary language?

Ans. Computer Consists of some electronic equipments like capacitor, transistor etc., that can acquire only two stages. These two stages are represented by 0 & 1. Like as capacitor, when charged, is represented by 1 but when discharged, represented by 0. Also transistor as a switch when closed, represented by 1 but when opened, represented by 0. These 0 & 1 representation is called as Binary language. Therefore Computer understands only Binary language.

Ques-2 What is the full form of IDE.

Ans. Integrated Development ~~Enviorn~~ Environment.

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

Ans.
- A text editor simply allows to write and edit text but do not help to write code.

- Whereas code editor understands c-language therefore helps to write code and also detect errors.

Ques-4 What are the steps to develop software

using the C-language?

Ans Following are the steps –

   Step–1 Create a source file (.c file)

   Step–2 Build Software.
   - Preprocessor
   - Compiler
   - Linker

5.) Explore By your Own.

(a) What is the latest version of C-language?

Ans. C17 in 2018 is the latest version of C-language.

(b) Who developed C-language?

Ans. Developer of C language → Dennis Ritchie.

(c) What is the difference between system and application software?"

Ans. System software is used by machine and the application software is used by user.

(d) How to convert a number from a decimal number system to a binary number system?

Ans Divide the decimal no. by 2 and store the remainder in an ~~any~~ array Repeat this untill we get 0 as the final quotient. After this, the remainders are written in reverse order to get the binary equivalent of decimal no.