Assignment-1

Q1). Ans-> One of the reason behind computer understand only binary language is that for any task or work computer take helps of RAM( It is connected to Processor and Hard Disk) which is made up of capacitor and capacitor has tendency to ON or OFF , we represents this ON or OFF as 1 or 0. Any program that is written in 1 or 0 form, known as Binary Language.

Q2). Ans-> IDE- Integrated Development Environment

Q3). Ans-> The main difference between a text editor and a code editor is:

In a text editor we can only write any text like it can be a source code or any other text but we can’t run any source code in this Whereas In a code editor we can write a source code and execute in it and a code editor also provide some extra features like debugging and useful tools.

Q4). Ans-> There are following way to develop software using C language:

1. First of All you should have a code editor or IDE like vs code or any compiler like turbo C.
2. Second write your code and save it with extension .c like if your file name is test then save it as test.c.
3. Compile and run the file

Q5). A. Ans-> C11

B. Ans-> Dennish Ritchie

C. Ans-> The main difference between System and Application Software is that System Software is close to the hardware and Application Software is close to user. Like Operating System, Compiler, Drivers etc. are all System Software and any application which we interact are application software like Notepad, MS Word, Adobe Photoshop etc.

D. Ans-> The very first method to convert a decimal number to a binary number system is:

1. Divide the number by 2.



2. Again divide Quotient of previous number by 2.

3. Follow the steps 1 and 2 till Quotient gets 0.

4. write all the remainders from last to first in sequence.

For example:- We want to convert decimal 16 into binary number:



2)16(8 2)8(4 2)4(2 2)2(1 2)1(0



16-> 10000

Second way is, we can solve using factor:

