**Assignment - 1**

**C Language (MySirG)**

1.Why do computers understand only binary language?

Ans:- computers use binary to store data. Because it is a reliable way of storing the data, but computers only understand 1s and 0s binary.

2.What is the full form of IDE?

Ans:- Integrated Development Environment.

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

Ans:- IDE arrives with larger programming features than the text editor. Some of the features including auto-completion of keyword and in built function name, highlighting of syntax. In a text editor, the only goal is to have an environment where you can edit your code. You will have to leave the editor to run/debug code, visualize UIs, etc.

4. What are the steps to develop software using the C language?

Ans:- With the help of Preprocessor, Compiler & Linker to convert c language source file to .exe file(Executable file)

1. Create a Source file
2. Build Software

5. Explore by your own

1. What is the latest version of C Language?
2. Who developed C Language?
3. What is the difference between System and Application Software?
4. How to convert a number from a decimal number system to a binary number system?

Ans:- (a) The latest version of C Language is c17 2018

In c17 latest version only bug are fixed.

(b) c language is developed by Dennis Ritchie.

(C) The system software is used for operating computer hardware. On the other hand Application software are installed according to usse’s requirements.

(d) Dividing the giving number repeatedly by 2 until we get 0 as the quotient. Then we write the remainders in the reverse order to get the binary values of the given decimal number.

* Simplest method of convert decimal number system to binary number system

27  26  25 24 23 22 21 20

128 64 32 16 8 4 2 1

47 = 0 0 1 0 1 1 1 1

Binary of 47 is 1 0 1 1 1 1 .