Assignment – 1

1. Why do computers understand only binary language?

Ans - Computers use binary to store data. Not only because i

It’s a reliable way to sorting data, but computers only

Understand 1s and 0s binary. A computer’s main

Memory consists of transistors that switch between

high and low voltages levels.

1. What is the full form of IDE?

Ans - Integrated Development Environment.

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

Ans - A text editor simply allows you to write and edit text

and it does not have anything built- in to help you to

code whereas a code editor is also a text editor is

also a text editor but it also help you to write code.

1. What are the steps to develop software the C language?

Ans - Step 1-

Write the program according to the product in C

language. Name of Program is sum.i

Step 2-

With the help of header file and preprocessor the

Program remove the header and change the program

In Sum.i .

Step 3-

After the program will change in Sum.i ,it will compile

And change the program in object where code will be

Change in 1s and 0s. Example:- Sum.obj

Step 4-

After the program will change into Sum.obj , With the

With the help of linker and library files it will change

In software. Example :- Sum.exe

1. Explore by your own
2. What is the latest version of C language.

* Latest version of C language of C language is C17.

1. Who developed C language?

* Dennis Ritchie

1. What is difference between System software and Application Software?

* System Software – Interact with machine.
* Application Software – Interact with User.

1. How to convert a number from a decimal number system to binary number system?

* Divide it by 2 and note the remainder.
* Divide the quotient obtained by 2 and note the remainder.
* Repeat the same process till we get 0 as the quotient.
* Write the values of all the remainders starting from the bottom to the top.

Example :- Convert decimal number 112 into binary number.

112/2 =56 Remainder=0

56/2=28 Remainder=0

28/2=14 Remainder=0

14/2=7 Remainder=0

7/2=3 Remainder=1

3/2=1 Remainder=1

Now, write the remainder bottom to top. 112 = 110000