

# ASSIGEMENT -1

1. Why do computers understand only binary language?

Ans: The humans communicate, gives task to each other in different languages like English, Hindi etc.

But computer understand only binary language because the computer is electrical machine /

Electrical device and binary language is (0, 1) combination and in string like format

- When the circuit gets current it's represent by 1 and when the circuit not get the current it's Represent by 0
- When the device is detached with high voltage is represent with 1 and when the device detached with Low voltage is represent with 0

2. What is the full form of IDE?

Ans: IDE stand for Intergraded Development Environment. In the simple word we can say that it's provides

Environment to programmer where is get all the material it's required on the single screen

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

Ans:

- In text editor we can write normal message, paragraph and in this we can edit the text and in some text editor have options to compress the file
- In code editor we can write code and messages, paragraph in front of comment. In code editor it's Highlight the codes syntaxes and also highlight the error in code and also provide recommendations for the codes line and there is many more options also.

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

Ans:

- step1: open your VS code
- Step2 : open new file in VS code
- Step3 : write your code and save it
- Step 4 : after saving check code it's working  
From the above steps you can easily develops a software

4. Explore by your own

1. What is the latest version of C Language?

Ans: latest version of C language is c17

2. Who developed C Language?

Ans: C language is developed by Dennis Ritchie at bell laboratories in 1972.

### 3. What is the difference between System and Application Software?

System software	Application software
<ul style="list-style-type: none"> <li>• This software are preinstalled software</li> <li>• This software can't be uninstalled by user</li> <li>• This software help to computer, laptop to manage their internal working like memory management, reboot etc.</li> <li>• This software created in Low Level Languages</li> <li>• Example: operating system .</li> </ul>	<ul style="list-style-type: none"> <li>• This software are installed by user according to his needs.</li> <li>• This software easy to uninstalled by the user</li> <li>• This software are design in High Level Languages</li> <li>• This are design for specific work</li> <li>• Example: Ms Word, pictures and video editor etc.</li> </ul>

### 4. How to convert a number from a decimal number system to a binary number system?

Ans: This is a method to convert decimal numbers into binary numbers

Step1: write numbers like this 1 2 4 8 16 32 64 128 .... This is numbers multiply by 2 each time like this  $1*2=2$ , we get 2 now  $2*2=4$  now we get 4 so  $4*2=8$  so  $8*2=16$  same this process continue till where you

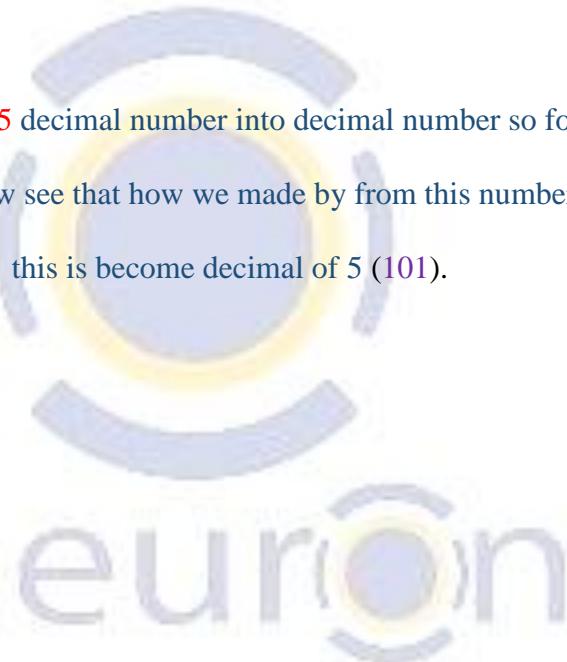
Want to convert decimal numbers

Step 2: now see if you want to convert 5 decimal number into decimal number so follow this step

Write number like that 4 2 1 and now see that how we made by from this numbers yes you wright

$4+1=5$  but now see

4	2	1
1	0	1



Decimals to binary examples:

20 into binary from:  $20=(10100)$

16	8	4	2	1
1	0	1	0	0

25 into binary from:  $25=(11001)$

16	8	4	2	1
1	1	0	0	1

**This is the easy way to convert decimal number into binary number**