

## Assignment 1

Q1 why do computer understands only binary language.

Ans Computer understands only binary language because it is made up of hardware like RAM, ROM etc and any kind of hardware can be represented in two ways i.e 0s & 1s. we represent 0 for false and 1 for true.

Q2 what is full form of IDE?  
⇒ Integrated Development Environment.

Q3 what is difference between text editor & code editor.

Ans A text editor is a place where we can write text only like notepad. But a code editor is a tool where ~~is~~ not only we can write the code/text but even it also because code editor understands our code.

Q4 what are the steps to develop software using C?

Ans There are two steps to develop software  
step 1. Create a source file (with .c extension)  
step 2. Build software [include preprocessor, compiler, linker]

Q5 (a) what is the latest version of C language?  
⇒ C17 is the latest version.

(b) who develop C language?  
⇒ Dennis Ritchie

(c) what is the difference between system and application software.

⇒ System software are designed to manage system resources.

Application software are designed to accomplish task for specific purposes.

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

⇒ ① Write down the no.

② Divide it by 2 and note the remainder

③ Divide the quotient by 2 and write remainder

④ Repeat steps until we get 0 as quotient.

⑤ Write all the remainders from bottom to up.