ASSINGEMENTS - 1

1) Why do computers understand only binary language?

Ans

A computer is made out of switches, and wires, mainly.
The switches are transistors, which can be switched
on or off by changing the voltage difference
across them. A binary value loaded into a CPU
register represents which transistors have high
and which have low voltages across them &
this corresponds to the activation or deactivation
of various circuit pathways inside the CPU,
which calculate or manipulate some data, again
represented as a presence or absence of current
or charge in a circuit.

Connections between these transistors allow for
logic functions to be implemented, which allow
for cool things like memory and arithmetic (
that's actually enough to do anything with a
computer, at the lowest level).

2) What is the full form of IDE ?
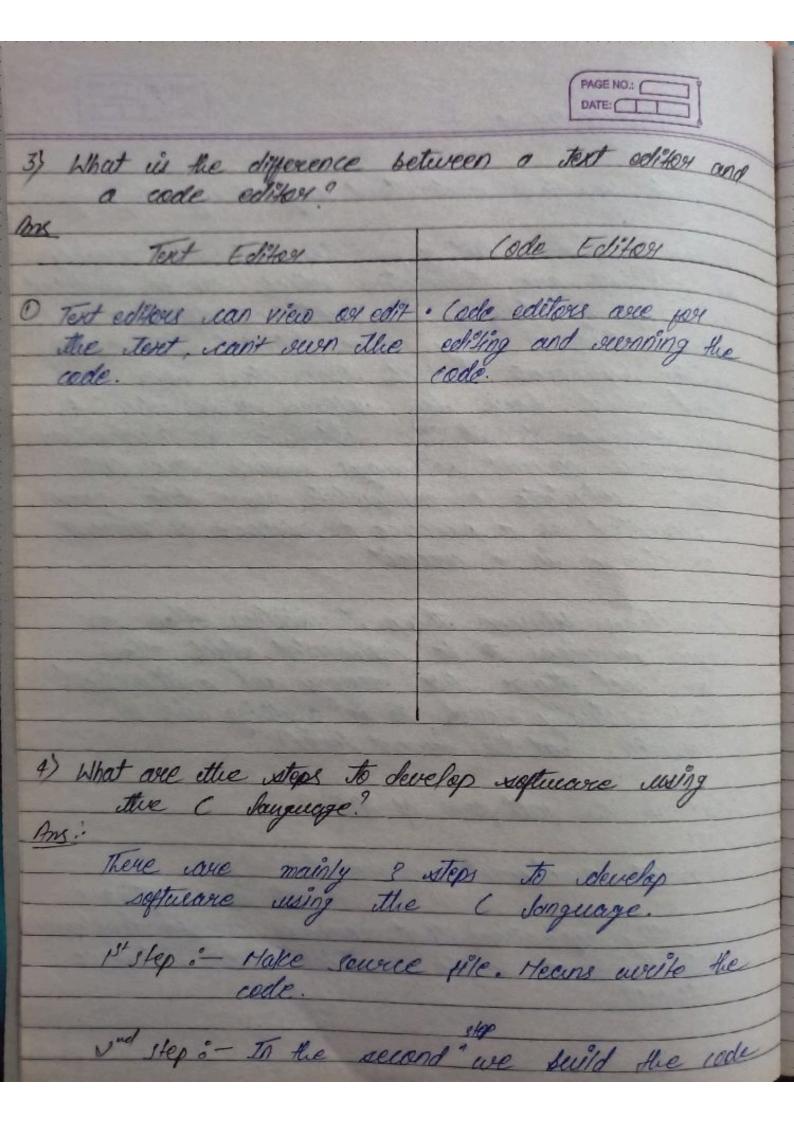
Ans

Integrated Development environment :-
                                    It is a software
for building applications that combines common developer
tools into a single graphical user interface
    (GUI)

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

Ans.

Text Editor	Code Editor
① Text editors can view or edit the text, can't run the code.	• Code editors are for editing and running the code.

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

Ans.:

There are mainly 3 steps to develop software using the C language.

1st step :- Make source file. Means write the code.

2nd step :- In the second step we build the code

using preprocessor, compiler and linker

3rd step :- In the third step we make .exe file. Means after building an .exe get prepared. Which is an executable file, which we can share with anyone.

5)

a) What is the latest version of C language?
Ans C17

b) Who developed C language?
Ans Dennis M. Ritchie

c) What is the difference b/w system software and application software?

Ans
System software is the software which gives a platform to application software run on.
Eg:- Linux, Android, MS office etc.

Application software is the software which gives + runs on a system software. Application software is the software on which we do user works.
Eg:- MS excel, Adobe etc.

q) How to convert a number from a decimal number to a binary number system?

sol

$97 = ?$

64	32	16	8	4	2	1
1	1	0	0	0	0	1

$\rightarrow$ 1 1 0 0 0 1