1.Because the hardware are installed in a computer and it is easy for the hardware to represent anything in two symbols (1 and 0).

2. integrated development environment

3.text editor can edit text (like notepad etc.) and can also make a program but it doesn’t understand the program but in your point it’s a c language code . The code editor highlights the different symbols to make us understand properly and also understands the programming .

4. First make a source file by the use of c language and with the help of a process you can convert it into software which is build now in build there is few stuff that is 1.preprosessor 2.compoler 3. Linker

5. a. c17 b. Dennis Ritchie c. The system software is used for operating computer hardware. And Application software are installed according to user's requirements. D. take the specific decimal number and divide it by 2 if the reminder is left write 1 and if no reminder is left write 0