1. ​​Because computers don’t “understand” anything, a computer is a huge collection of switches. A switch has 2 states - on and off.
2. ​​the full form of IDE is **integrated development environment** .

3. Text editors can view or edit the text. can’t run the code.

​​ code editors are for editing and running the code(programming).

4. ​​there are two steps:

1. ​create a source file.
2. ​​build a software.

5. a) C17 is the current standard for the C programming language. Published in June 2018.

b) ​​C language developed in the early 1970s by American computer scientist  **Dennis M.** **Ritchie**  .

**c)** ​​System software is used for operating computer hardware

​​ Application software is used by user to perform specific task.

d) a decimal number system to a binary number system:

1. ​​Write down the number.
2. ​​Divide it by 2 and note the remainder.
3. ​​Divide the quotient obtained by 2 and note the remainder.
4. ​​Repeat the same process till we get 0 as the quotient.
5. ​​Write the values of all the remainders starting from the bottom to the top.