Assignment - 1

1.) Why do computers understand only binary language?

Computer is an electronic device, it is collection of hardware devices they only understand electric signals i.e — transition in the Voltage. Modern based Computer are based on semi Conductor technology which understand high and low Voltages. The CPU which Consist of million of transistors they acts as Switch, at low Voltage there acts as close switch and at high Voltage these acts as Open switch and Open Switch represents 1 and close represents 0. 0 and 1 is called binary.

2.) What is the full form of IDE?

Integrated Development Enviroment.

3.) What is difference between a text editor and a Code editor?

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?

There are two steps:
i) Create a source file.
ii) Build a software.

5) Explore by on your own

a) What is the latest version of C language?

C17

b) Who developed C language?

Dennis Ritchie

c) What is the difference between System and Application Software?

System software is used for operating Computer hardware.
Application software is used by user to perform specific task.

d) How to Convert a number from a decimal number system to a binary number system?

Divide by 2 and note the remainder.