

## Assignment - 1

Rajshree

PAGE NO.

DATE

Q1 - Why do Computers understand only binary languages?

Ans → It is because binary is a machine language which has 0 and 1, means it records the data in form of 0 and 1 as electronic signal. Computer is a electronic device.

It becomes complex if the sentence becomes large.



1 (ON)

0 (OFF)

Switch

Q2 - What is the full form of IDE?

Ans - An integrated development environment  
IDE

Q3 - What is the difference between a text editor and a Code editor?

Ans → Code editors are text editors with powerful built-in features and specialized functionalities to simplify and accelerate code editing.

Process An IDE, on the other hand, is a set of Software development ~~is a~~ tools designed to make coding easier.

Q4- What are the steps to develop software using the C language?

Ans Analysis and planning. Once a Customer or Stakeholder has requested a project, the first step of the SDLC is planning.

2. Requirements, 3. Design and prototyping
4. Software Development 5. testing 6. Deployment
7. maintenance and updates.

Q5. Explain by your own

(a). What is the latest version of C language?

Ans - C11

(b) Who developed C Language?

Ans - Dennis Ritchie

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

Ans - ① System Software is used for operating computer hardware

② 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?

Ans -

Ex -

128, 64, 32, 16, 8, 4, 2, 1

0   0   0   1   0   0 1

25  $\rightarrow$  00011001