

Assignment 1 by Arindam

1. Computers use binary code because it's a system that is easily represented by two distinct states, such as on/off or high /low voltage.
2. Full form of IDE is Integrated Development Environment.
3. A text editor is used for writing and editing text-based content, but it doesn't have features for writing and editing code. A code editor, also known as a source-code editor, is a specialized text editor for writing and editing source code
4. Analyzing, designing, coding, debugging and testing, and implementing and maintaining application software.
5.
 - A. The latest version of the C programming language is C17
 - B. C language developed by Dennis Ritchie.
 - C. System software provides a platform for other software to run, while application software performs specific tasks for the user.
 - D. Divide the number by 2.
 - Get the integer quotient for the next iteration.
 - Get the remainder for the binary digit.
 - Repeat the above steps until the quotient is equal to 0.