

Assignment – 1

1. It consists of only 0s and 1s in binary, that a computer can understand.
2. integrated development environment
3. A text editor simply allows you to write and edit text and it does not have anything built-in to help you to code whereas a code editor is also a text editor but it also helps you write code.
4. **Step 1:** Write the source codes (.c) and header files (.h).
Step 2: Pre-process the source codes according to the *preprocessor directives*. The preprocessor directives begin with a hash sign (#), such as #include and #define. They indicate that certain manipulations (such as including another file or replacement of symbols) are to be performed BEFORE compilation.
Step 3: Compile the pre-processed source codes into object codes (.obj, .o).
Step 4: Link the compiled object codes with other object codes and the library object codes (.lib, .a) to produce the executable code (.exe).
Step 5: Load the executable code into computer memory.
Step 6: Run the executable code.
5. (a) C17. Published in June 2018 as C17 is the current standard for the C programming language.
(b) Dennis Ritchie, the inventor of C programming language and co-developer of Unix, died after a long, unspecified illness Wednesday.
(c) The system software is used for operating computer hardware. On the other hand Application software are installed according to user's requirements.
(d) Take decimal number as dividend. Divide this number by 2 (2 is base of binary so divisor here). Store the remainder in an array (it will be either 0 or 1 because of divisor 2). Repeat the above two steps until the number is greater than zero.