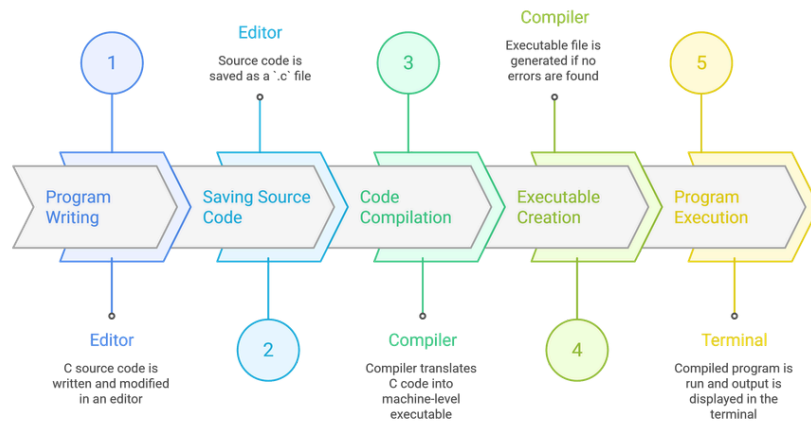


WEEKLY INTERNSHIP ACTIVITY 2

Students identify and explain the role of the editor, compiler, and terminal in the C development workflow.



1. Editor

An editor is used to write and modify C source code.

Role of the Editor:

- Used to write C programs (.c files)
- Provides syntax highlighting
- Helps detect basic syntax errors
- Makes code readable and organized

Examples: Visual Studio Code, Code::Blocks, Turbo C

2. Compiler

A compiler converts high-level C code into machine-level executable code.

Role of the Compiler:

- Checks the program for syntax errors
- Generates an executable file if no errors are found
- Converts source code into object code

Example: GCC

3. Terminal

The terminal is used to compile and run the program.

Role of the Terminal:

- Executes compiler commands
- Displays program output and error messages
- Runs the compiled program

Execution Flow (C Development Workflow)

1. Program is written in the editor
2. Source code is saved as a .c file
3. Compiler translates the code
4. Executable file is created
5. Program is executed through the terminal