

3-fundamentals-of-a-program

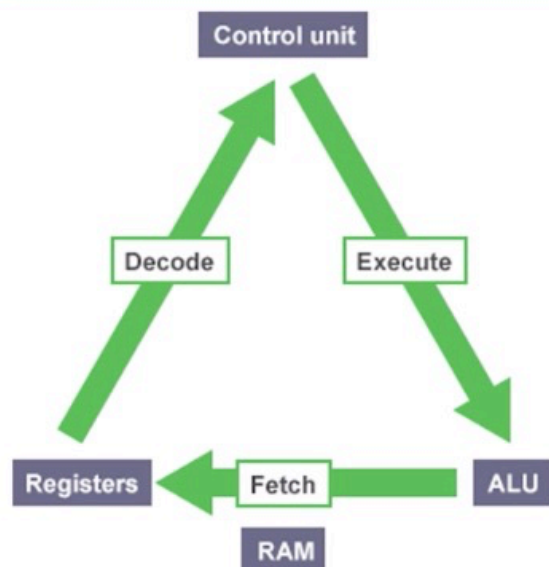
#####

- When telling a pc what to do, you are literally sending commands to the pc's cpu.
- This is done in the form of ALGORITHMS or STATEMENTS

TERMINOLOGY

- CPU
 - Does most of the computing work
 - This is where instructions are executed.
- RAM
 - Stores data of a program while it is running
- Fetch Execution or lifecycle of the CPU

Fetch / Execute Cycle



ASSEMBLY LANGUAGE V HIGH LEVEL LANGUAGE

- C is a high level language.

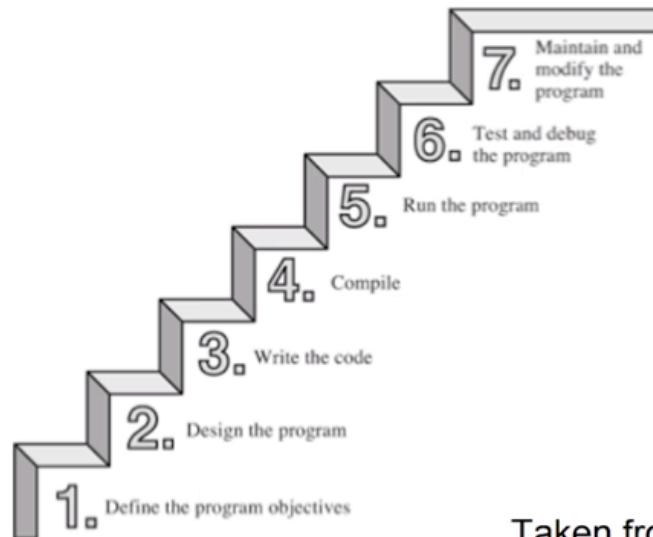
COMPILER

- A program that translates the high-level language source code into the

- detailed set of machine language instructions the computer requires.
- The compiler does all the tedious assembly language interpreting for you.

Writing a program

- the act of writing a C program can be broken down into multiple steps



Taken from "C