

Week 2

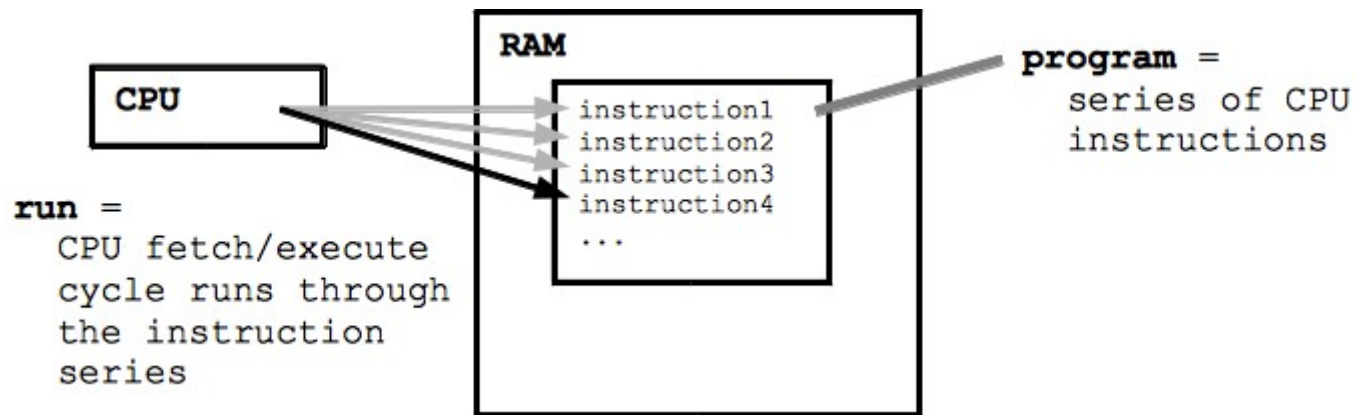
Operating System

- Windows, Linux, Google Android, MacOS, iOS
 - Program that manages a computer's resources (CPU, Memory, etc.)
- Filesystem
 - A method of organizing blocks on a storage device into files and directories

Filesystem

- Windows
 - C:\Users\Documents\file.txt
 - C: is the device (a disk on which we put data)
 - \Users\Documents\ is the location, also called a **path**
 - file.txt is one file under file

Ecosystem



What does a program do

- CPU: Processing (work)
- Memory (RAM): Data juggling used by the CPU
- I/O: Input/Output. Signal/Device

Python Interpreter

- A translator, be precise with instructions
- It reads the .py files and puts them in memory
- Tries to optimize the code
- Executes it

Simple terminal commands

- `cd <path>`: Change directory
- `ls`: List directory
- `python` / `python3`: Python program to interpret code
- `pip`: package installer for Python