1. What is programming?

Step by step, recipe, of instructions that tells your computer what do

When a computer executes a program it reads what you wrote and follows the instructions to the letter.

The recipe is written in a code called programming language.

Programming languages are similar to spoken languages because they have a syntax and semantics.

Scripts vs Program

In a programming language like Python

syntax: the rules for how a well-formed sentence is constructed.

semantics: refers to the meaning of the statements.

In English sentences generally have both a subject, that's a person, place or thing and a predicate usually a verb and a statement that explains what the subject is doing.

To form a sentence that others understand, you need to know both the syntax that constructs the sentence and the semantics that give it meaning.

Python Syntax: are the rules on how each instruction is written in Pythong

Python Semantics: the effect the instructions have.

Week 1

Scripts: Are programs with a short development cycle that can be created and deployed rapidly. **Script is a program that is short, simple, and can be written quickly.**