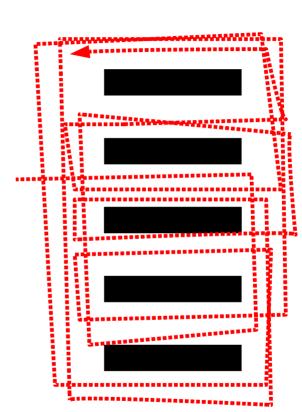
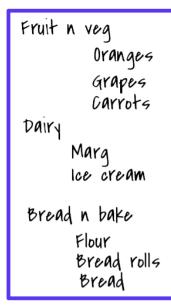
Corn Flakes Bread Body Lotion Oranges Mara Flour Washing Powder Bread rolls ice cream Grapes carrots SOAP



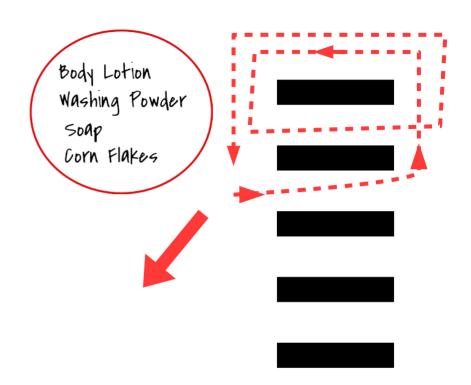
Fruit n veg Bathroom Body Lotion Oranges grapes carrots Kitchen Dairy Washing Powder Marg SOAP ice cream Bread n bake Breakfast Flour Corn Flakes Bread rolls Bread

Fruit n veg Oranges Grapes Carrots Dairy Marg ice cream Bread n bake Flour Bread rolls Bread

Body Lotion Washing Powder SOAP Corn Flakes





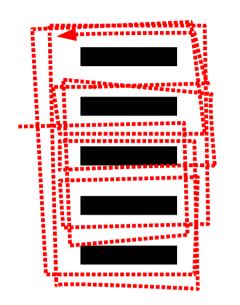


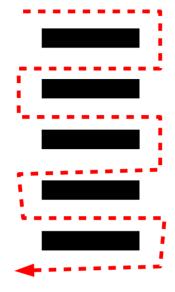


Interpreter

Immediately runs

Not efficient; can run slow





Interpreter

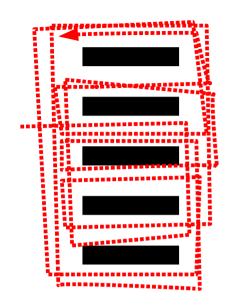
Immediately runs

Not efficient; can run slow

Compiler

Delay before running

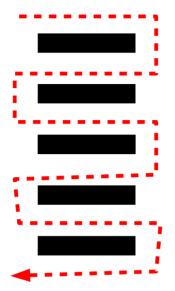
Runs efficiently





Immediately runs

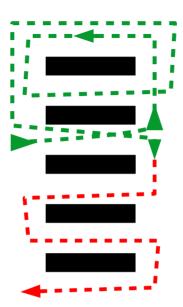
Not efficient; can run slow



Compiler

Delay before running

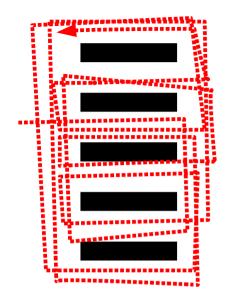
Runs efficiently



Just-in-time

Immediately runs

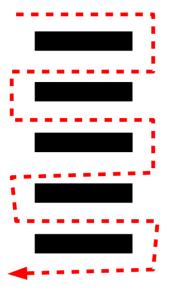
Runs quite efficiently





Immediately runs

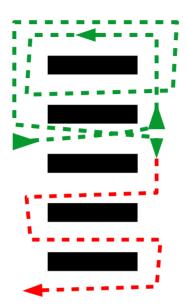
Not efficient; can run slow



Compiler

Delay before running

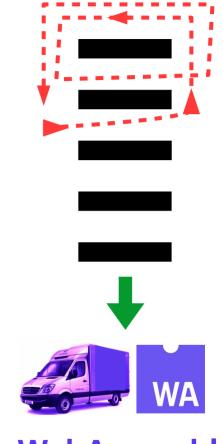
Runs efficiently



Just-in-time

Immediately runs

Runs quite efficiently



WebAssembly

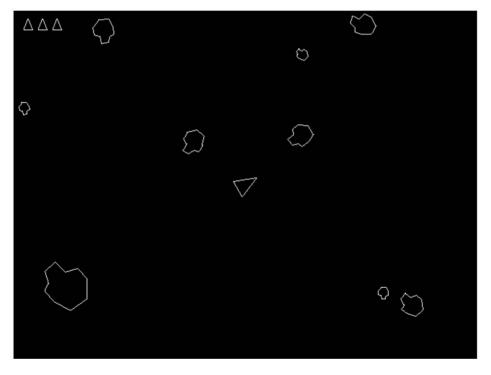
Immediately runs highly efficiently

What is WebAssembly?

Asteroids in WebAssembly Code on GitHub

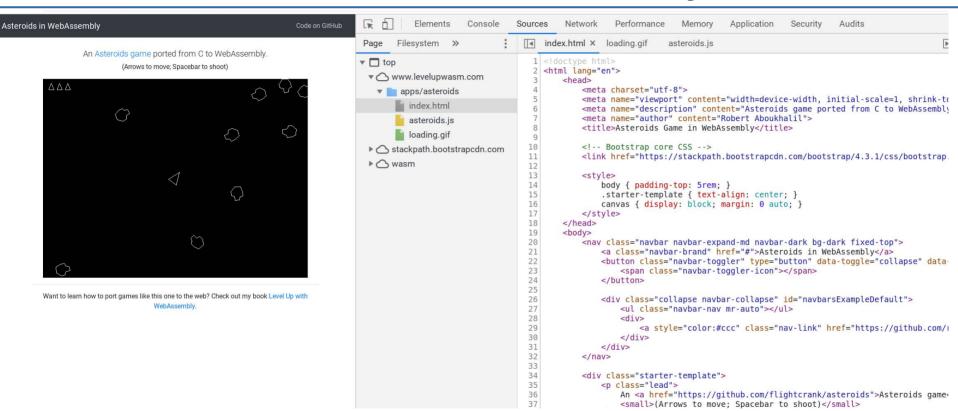
An Asteroids game ported from C to WebAssembly.

(Arrows to move; Spacebar to shoot)

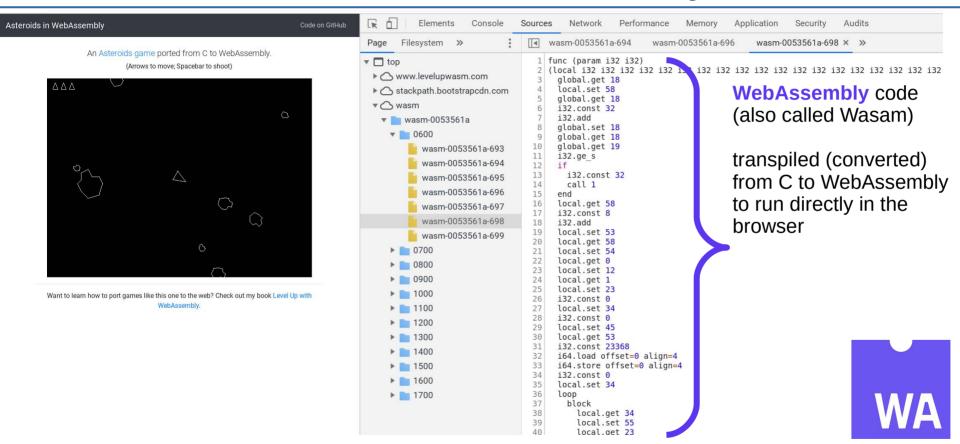


levelupwasm.com /apps/asteroids

What is WebAssembly?

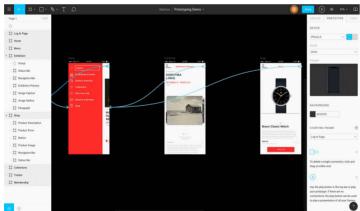


What is WebAssembly?



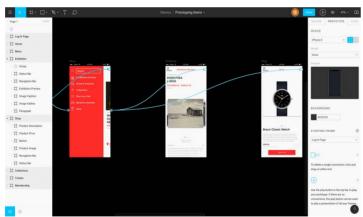




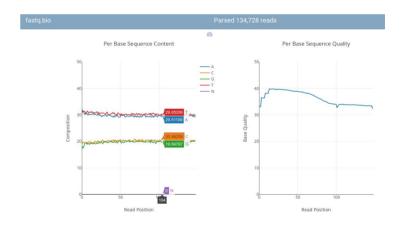


Figma 3X faster





Figma 3X faster



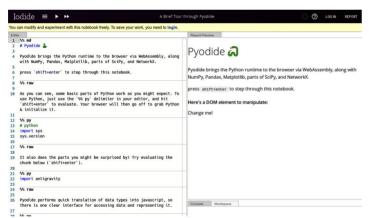
fastq.bio DNA sequencer 20X faster



Run established code



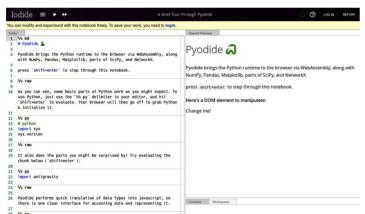
Run established code



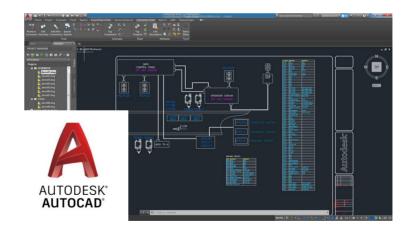
Pyodide: Python scientific on the browser



Run established code



Pyodide: Python scientific on the browser



AutoCAD: web uses identical codebase as desktop

TL;DR

WebAssembly Code is 'shipped in' via a binary blob

faster & efficient execution

Run established code not written in JavaScript

