Realise...
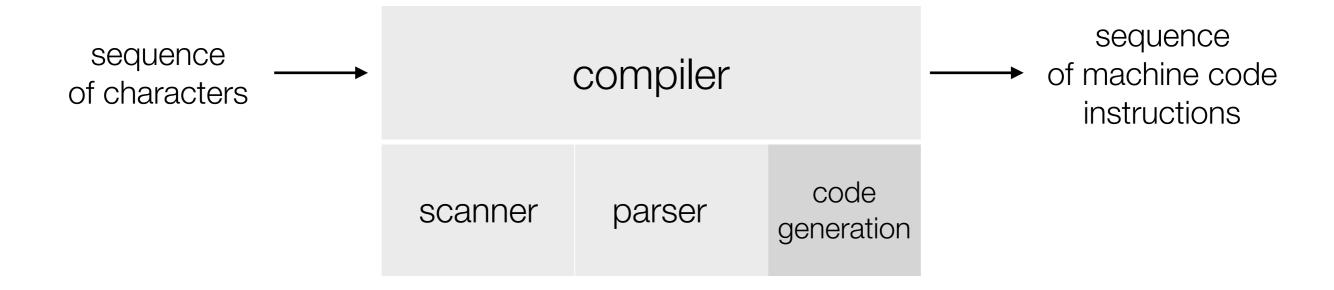
- This is how virtually every general-purpose processor operates.

- Instructions only have a tiny effect on the overall machine state.

- What makes modern computation so powerful is:

  - the incredible **speed**.

  - the enormous size of **memory**.

The Compiler

sequence
of characters $\rightarrow$

compiler		
scanner	parser	code generation

$\rightarrow$ sequence
of machine code
instructions

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