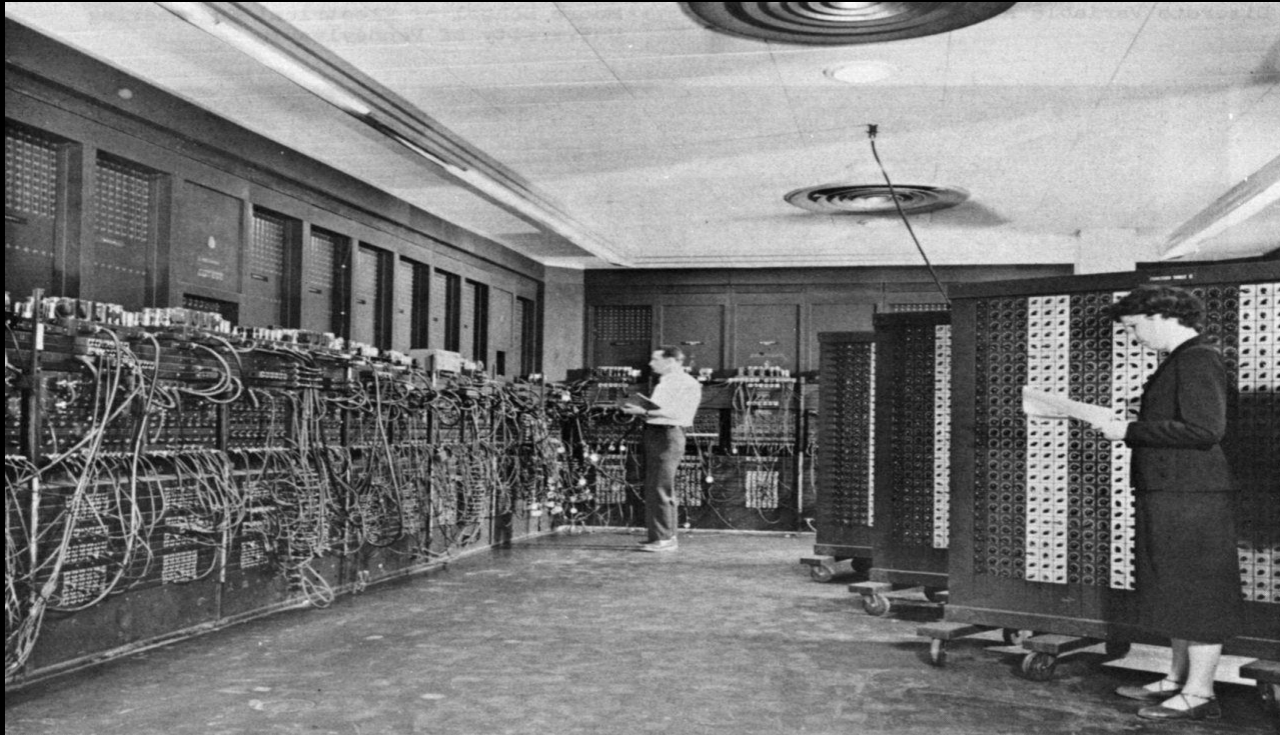# What the code!

A story about evolution of computer and programming
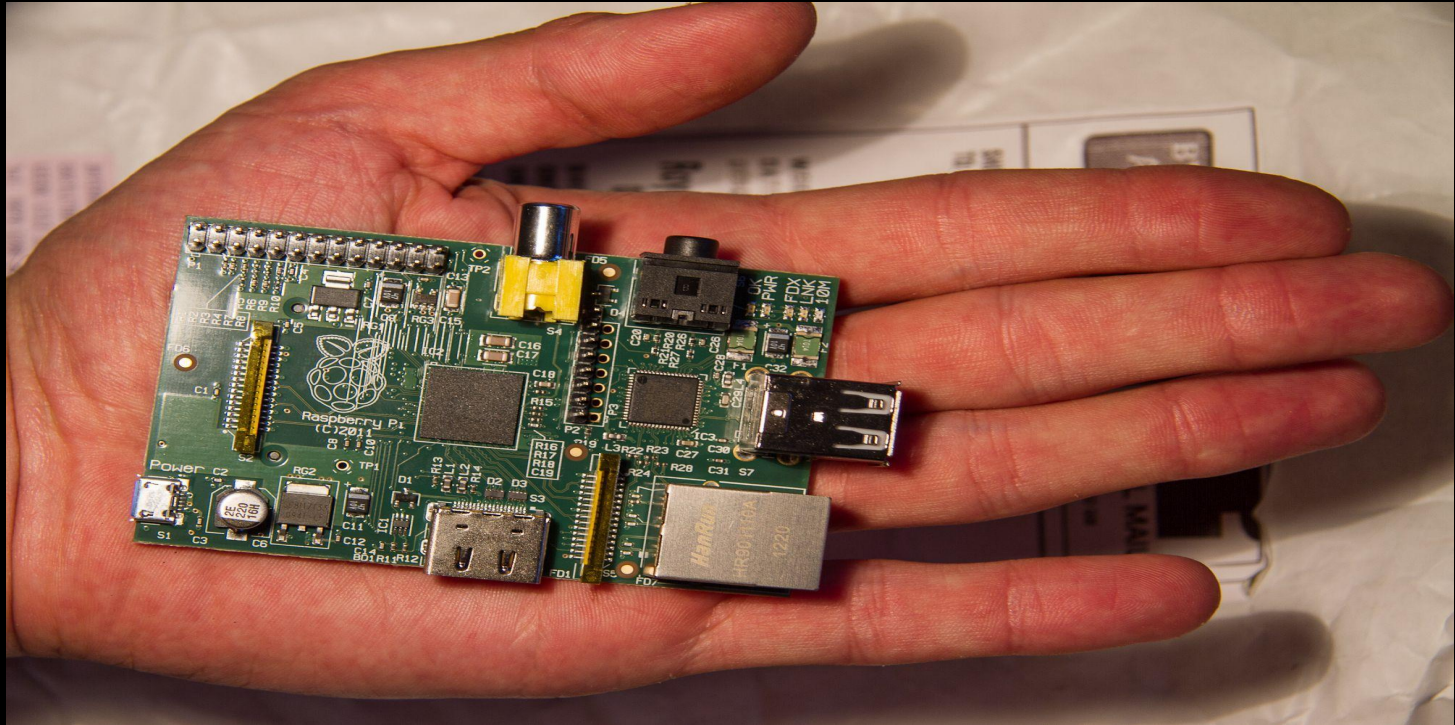
In the beginning (1946)

And today (2015)
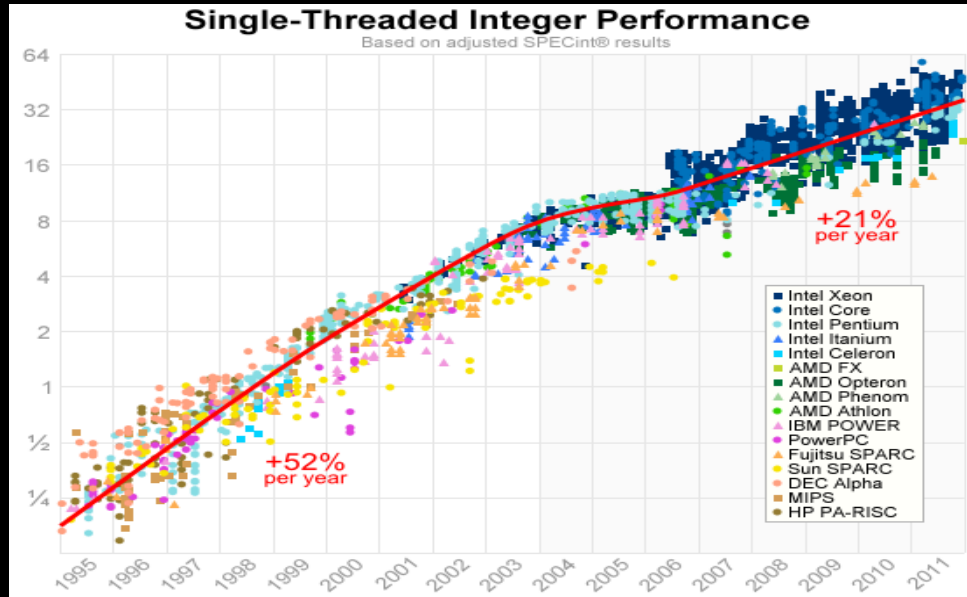
Also this (2015)

Full-Fledged

History…

Single-Threaded Integer Performance
Based on adjusted SPECint® results

+21% per year

+52% per year

Intel Xeon
Intel Core
Intel Pentium
Intel Itanium
Intel Celeron
AMD FX
AMD Opteron
AMD Phenom
AMD Athlon
IBM POWER
PowerPC
Fujitsu SPARC
Sun SPARC
DEC Alpha
MIPS
HP PA-RISC

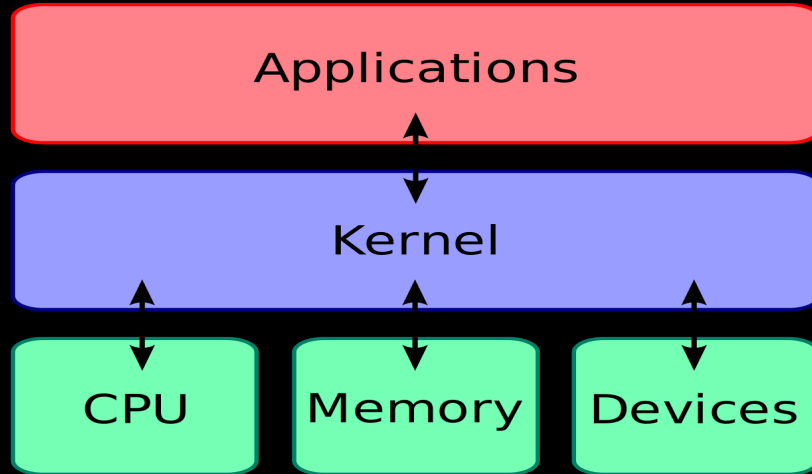## Numbers...

- PCs: 2000000000 (2 billions)
- Smartphone: 3000000000 (3 billions)
- Human: 7300000000 (7.3 billions)

Hardware and Software

What behind software

```
puts 'Hello, world!'
```

What is Code — Paul Ford

- http://bit.do/whatiscode

Where to Start?

code|cademy

c<>de school

learn by doing

Where to Start?

cs101.stanford.edu

IRL ?

IRL ?

IRL ?

Let's code!

Nur Agus Suryoko
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