

Lecture 1 - 4th Sept 2024

Instruction Set Architecture: how hardware executes software

• What is a computer?

- ↳ just a machine that does whatever the software tells it to do.
- ↳ computer > digital circuits > logic gates > transistors
- ↳ software is just a series of instructions.
- ↳ The five classic components of a computer:
 - CPU: Central Arithmetic and Central Control
 - Memory System
 - Input and output

↳ But, here's a more realistic view:

