

Lecture 3

Assembly language

Say something once, why say it again?

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Review

- ▶ MIPS has 18 instructions
- ▶ CPU contains 32 32-bit registers
- ▶ MIPS reference sheet for encoding of instructions
- ▶ `cs241.wordasm` to create binary files
- ▶ `mips.twoints` to start MIPS machine

Special Registers

Assembly language

Examples 0, 1, 2, revisited

Examples 4

Memory Revisited

Example 3

Example 5