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This chapter introduces digital logic. We will first define what it means to be digital, and then introduce logic, voltages, gates, flip flops, registers, adders and memory. This chapter is foundational, laying the ground work for the remainder of the class.

Learning Objectives

- Understand N-channel and P-channel MOS transistors (optional).
- Learn digital logic as implemented on a computer.
- Know how to build simple logic from transistors.
- Learn how to construct the basic components of a computer from the logic gates.
- Know the terms: flip flop, register, binary adder and memory.



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