

Connecting with Computer Science

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3

chapter

computer architecture

Objectives

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- Learn why you need to understand how computers work
- Learn what a CPU is, and what it is made of
- Learn how digital logic circuits are constructed
- Learn the basic Boolean operators
- Understand how the basic logic gates operate and are used to build complex computer circuits

Objectives (continued)

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- Learn the importance of von Neumann architecture
- Understand how the computer uses memory
- Learn what a system bus is and what its purpose is
- Understand the difference between memory and storage