

# Outline

- Operating System Organization
  - Basic functions
  - Factors in OS Design
  - Basic implementation considerations
- Operating System Examples

# Basic OS Responsibilities

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- Create an abstract machine environment
  - A nicer environment than bare hardware
  - Consists of multiple, autonomous abstract components
- Coordinate the use of the components
  - Resource manager
  - Manage according to the policies of the machine's administrator

# Basic OS Functions

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- Device management
- Process, thread, and resource management
- Memory management
- File management