

# Chapter 1

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Some of the key concepts.

# What is Logic?

- Logic may be defined as “the systematic study of the standards of correct reasoning.”
- But what is reasoning?

# You reason...

- when you conclude one thing on the basis of something else.

# For example....

- You see a blue sky and conclude that it is not going to rain.
- You hear a dog barking and conclude that someone is approaching.

# Surely not all reasoning is equal.

- How do you rate the following two examples of reasoning?
  - 1. Pat likes spinach. Therefore, Pat must be an illegal alien.
  - 2. Jan is 30 years old. Therefore, Jan is older than 21.

# Who can deny that...

- one of these is an example of good reasoning;
- and one is an example of bad reasoning.
- Surely not all reasoning is good or correct reasoning.

# Logicians

- seek the principles that distinguish good from bad reasoning...
- the principles that can help us reason better.

# That's logic...

- ...the systematic study of the standards of correct reasoning!