

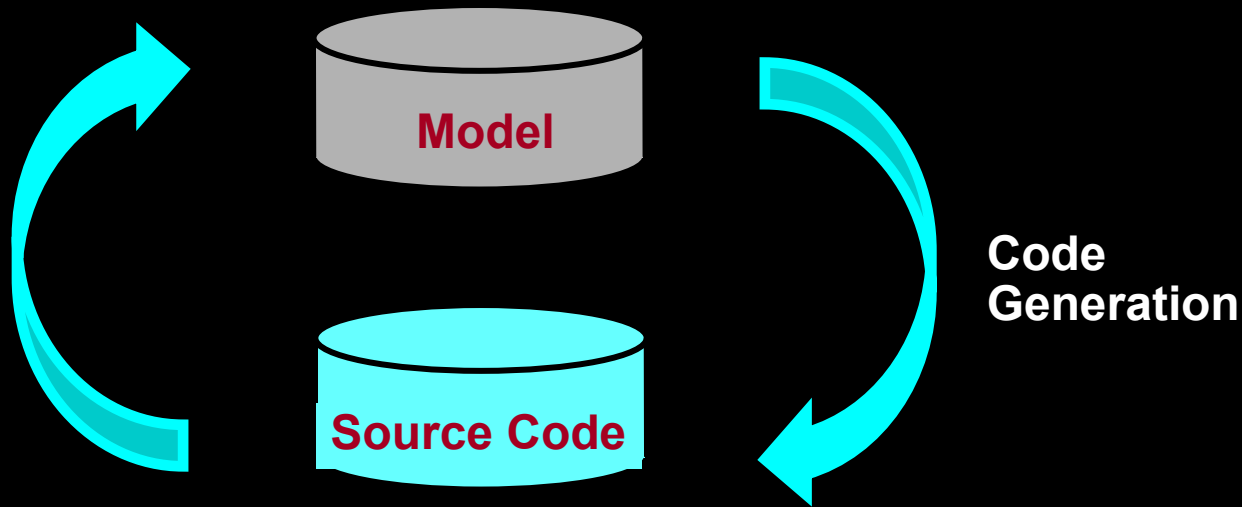
# Тема 8: Введение в генерацию исходного кода

# Where Are We?

## ★◆ Round-trip engineering

# What Is Round-Trip Engineering?

- ◆ Round-trip engineering is the ability to move back and forth between model and code.
  - Forward engineering
  - Reverse engineering

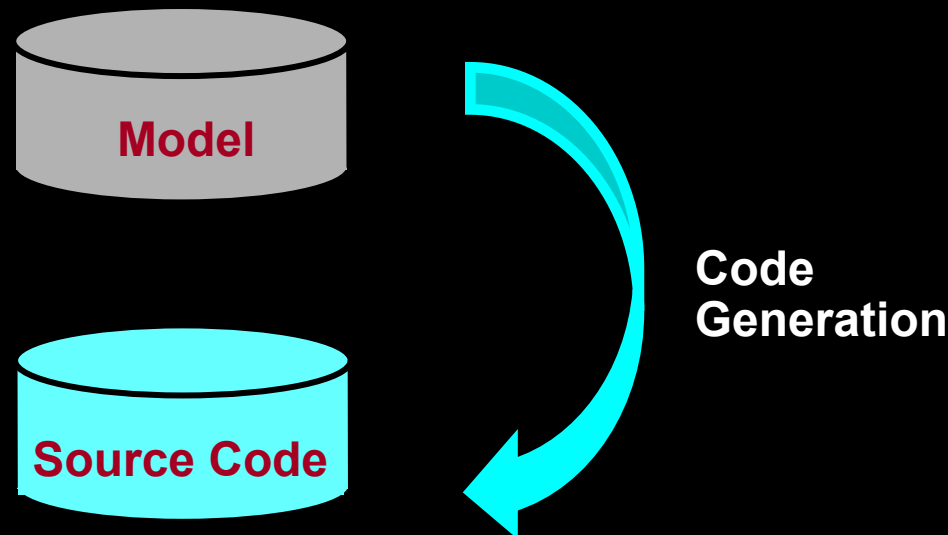


# What Is Round-Trip Engineering?

- ◆ Round-trip engineering helps maintain architectural integrity.
  - Detect and assess architectural changes
  - Communicate accepted architectural changes
  - Synchronize your model and source code during every iteration

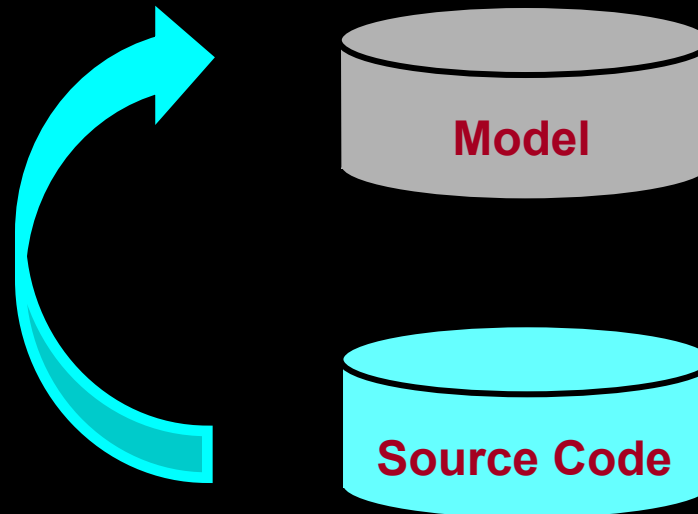
# Forward Engineering

- ◆ Forward Engineering is the ability to transform a model into code through mapping to a specific implementation language.



# Reverse Engineering

- ◆ Reverse engineering is the ability to transform code into a model through a mapping from a specific implementation language.



# Review

1. What is round-trip engineering?
2. What is its value?

