

# Miscellaneous Template Features Solutions

# static\_assert()

- Describe static\_assert()
  - static\_assert() is a compile-time version of assert()
  - It takes a bool and a string literal
  - If the bool argument evaluates to false, the compilation stops and the string literal will be used in the compiler's error message
  - Otherwise, the compilation continues normally
- Write some code to demonstrate the use of static\_assert()

# Class with Default Template Parameters

- Write a template class with a default type parameter
- Write a program which uses your class

# Function with Default Template Parameters

- Write a template function with a default type parameter
- Write a program which calls your function