

Packaged Task Exercises

std::packaged_task

- Briefly describe the std::packaged_task class

packaged_task example

- Write a program which creates a `packaged_task`. The `packaged_task`'s callable object member will take two `int` arguments and add them together. The program will print out the result
- Write another program which performs the same addition, but uses an explicit promise and future instead of a `packaged_task` (similar to the "Producer-Consumer" example in the Promises lecture)

Thread container

- Imagine you want to create a container whose elements are runnable threads. Which class would you use for the elements?