

Promises and Multiple Waiting Threads Exercises

Single Producer with Multiple Consumers

- What is meant by "Single Producer, Multiple Consumers"?
- Give an example where this could be useful

std::future and Multiple Waiting Threads

- Why is it not safe to use std::future when there are multiple waiting threads?

Obtaining an `std::shared_future` object

- Give three ways to obtain a `std::shared_future` object

std::shared_future Example

- Rewrite the program from the previous lecture
- Use multiple consumer threads with std::shared_future