std::future and std::promise Classes Exercises

Transfer of Data using Future and Promise

- Briefly describe how the producer-consumer model can be implemented using std::future and std::promise

std::future

- What is the difference between the get() and wait() member functions of std::future?

std::promise Interface

- Which member function(s) does std::promise use to access the shared state?

Producer-Consumer Model

- How would you create the std::promise and std::future objects, when writing a program that uses the Producer-Consumer model?

- How are these objects associated with the appropriate threads?