- (*2) 1. Write a simple two-threaded program that prints the words "ping" and "PONG" with 1 second delay.
- (*2) 2. There is a kind of thread called jthread which was added in C++20. Compare the C++11 thread and C++20 jthread. What is the actual benefit of jthread over thread?

Hint: For more information read the page https://en.cppreference.com/w/cpp/thread/jthread

(*1) 2. What does the following program do? Explain exactly and in detail. Propose an appropriate name for this program.

```
include <thread>
#include <map>
#include <string>
#include <iostream>
std::map<std::string, std::string> french
        {"hello", "bonjour"},
{"world", "tout le monde"}
};
int main()
       std::string greet = french["hello"];
       std::thread t([&] {
               std::cout << greet << ", "; }
                                 );
       std::string audience = french["world"];
        t.join();
        std::cout << audience << std::endl;</pre>
        return 0;
```