../66-3/main.cc

Week 8

Exercise 66

#include "main.ih" 1 2 3 int main(int argc, char const **argv) 4 future < string > fut = async(threadFun); 5 6 7 size_t count = 0; 8 9 while (true) 10 11 this_thread::sleep_for(chrono::seconds(1)); 12 cerr << "inspecting: " << ++count << '\n';</pre> 13 14 if(fut.wait_for(chrono::seconds(0)) == future_status::ready) 15 cout << "done\n";</pre> 16 17return 1; 18 // inspect whether a thread indicates 19 20 // to end the program. If so, end it. 21 } } 22 23 // If we were to run multiple threads we could have a vector of futures, then // rather than checking if our one future object is ready we check if any of 26 // the futures is ready, if one (or however many is preferred) is/ar ready 27 // the program returns. ../66-3/main.ih1 #define ERR(msg) printf("%s : %d", (msg), __LINE__) 2 3 #include <thread> 4 #include <chrono> 5 #include <future> 6 #include <iostream> 7 #include <future> 8 9 using namespace std; 10 11 string threadFun(); ../66-3/threadFun.cc 1 #include "main.ih" 2 string threadFun() 3 4 { 5 cerr << "entry\n";</pre> 6 this_thread::sleep_for(chrono::seconds(5)); 7 cerr << "first cerr\n";</pre> 8 9 10 this_thread::sleep_for(chrono::seconds(5)); 11 cerr << "second cerr\n";</pre> 12 13 return "end the program"; 14 }