Managing a Thread Solutions

Detaching a Thread

- Rewrite the "Hello, Thread!" program to call detach()

Exception in Parent Thread

- Will this program work as expected?

- Explain your answer

```cpp
int main() {
    try {
        std::thread thr(hello);
        throw std::exception();
        thr.join();
    }
    catch (std::exception& e) {
        std::cout << "Exception caught\n";
    }
}
```

Exception in Parent Thread

- Will this program work as expected?
  - No

- Explain your answer
  - join() is called after the exception is thrown, so the program never executes it

Thread management and exceptions

- Rewrite the program so that it behaves correctly using
  - A suitable try/catch block
  - An RAII class which wraps the std::thread object
  - (If your compiler supports it) an std::jthread object