

async Function Exercises

std::async()

- Briefly describe the std::async() function
- Write a simple "Hello, World!" type program which uses std::async()

Returning a Value

- What does `std::async()` return?
- Write a program which uses `std::async()` to start a task and displays the returned value

std::async() and Exceptions

- What happens if the task function throws an exception?
- Modify your program so that the task function throws an exception
- Check that your program handles the exception correctly