



rust-memory-safety-examples

examples/data_race_prevention.rs: Code Companion

Reference code for the Concurrent Code Introduction lecture. Sections correspond to the lecture document.

Section 1: From Memory Safety to Thread Safety

```
///! Data race prevention example

// This single use statement brings in all the demonstration functions
// The module system ensures clean separation of concerns
use rust_memory_safety_examples::data_race;
```

The `use` statement imports from a library crate, meaning these demonstrations live in `src/lib.rs` or a submodule. This separation allows the examples to be tested independently from the binary.

Section 2: The Main Function Structure

