Integer Operations and Threads Exercises

Integer Operation Example

- Write a program which runs the task function shown on the next slide as 10 concurrent threads

- Briefly explain your results

Integer Operations and Threads

```cpp
int counter {0};

void task() {
    for (int i = 0; i < 100'000; ++i)
        ++counter;
}
```

Thread Synchronization

- Briefly explain how using a mutex avoids these problems
- Rewrite your program to use a mutex