

DAY 4

07/08/2025

[GitHub](#)

1. Create two threads to read two separate text files
 - 1.1 Same two files, try to read using the Task Async await.

Multithreading output:

```
Thread ID: [8]
Radioactive - Imagine Dragons

I'm waking up to ash and dust
I wipe my brow and I sweat my rust
I'm breathing in the chemicals

I'm breaking in, shaping up
Then checking out on the prison bus
This is it, the apocalypse
Woah

I'm waking up, I feel it in my bones
Enough to make my system blow
Welcome to the new age, to the new age
Welcome to the new age, to the new age

Thread ID: [7]
Thunder - Imagine Dragons

Just a young gun with a quick fuse
I was uptight, wanna let loose
I was dreaming of bigger things and
Wanna leave my own life behind
Not a "Yes, sir," not a follower
Fit the box, fit the mold, have a seat
In the foyer, take a number
I was lightning before the thunder

Multithreaded file reading done.
```

Async/await output:

```
Task 2 read:
Radioactive - Imagine Dragons

I'm waking up to ash and dust
I wipe my brow and I sweat my rust
I'm breathing in the chemicals

I'm breaking in, shaping up
Then checking out on the prison bus
This is it, the apocalypse
Woah

I'm waking up, I feel it in my bones
Enough to make my system blow
Welcome to the new age, to the new age
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Task 1 read:
Thunder - Imagine Dragons

Just a young gun with a quick fuse
I was uptight, wanna let loose
I was dreaming of bigger things and
Wanna leave my own life behind
Not a "Yes, sir," not a follower
Fit the box, fit the mold, have a seat
In the foyer, take a number
I was lightning before the thunder

Async file reading done.
```

2. (Optional) Create delegate use case between teacher class and student class:

- teacher method should have test_completed() method passed as delegate to student
- student class should have a method write_test() which will inturn call the parent

delegate.

```
Student: Writing the test...
Student: Finished writing the test.
Teacher: Test completed by the student
Process Ended
```