



C# - Thread vs Parallel Lab

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Agenda

- We will look at two simple examples of how to write code using plain Threads, the TPL library and how they compare against each other and against normal execution model

ASK: Use the instructions you will find inside the **Day 2 -> Parallel Lab -> ThreadVsParallel.Starter -> Program.cs** file inside **Microsoft.CSharp.Advanced** solution. Apply the changes inside the respective code placeholders, run the console for each exercise after you are done and observe the results.

How it Works

- For every action item, you will be given the allotted time to complete the request
- Once you are done you need to create a new branch, push the branch to the repository and create a pull request
- At the end of the allotted time, one of you is going to be picked to walk us through the changes

Git – How to submit your work

1. Create the branch

```
git checkout -b thread-vs-parallel-lab/{surname}-{name}
```

2. Stage your changes

```
git add .
```

3. Commit your changes

```
git commit -m "Exercise {number} – {task-description}"
```

4. Push to the remote repository

```
git push --set-upstream origin thread-vs-parallel-lab/{surname}-{name}
```

Exercise 1

Thread VS Parallel -> Simple iteration (20 mins)

Wheel of fortune

Exercise 2

Thread VS Parallel -> Image rotation (30 mins)

Wheel of fortune

Thank You

- For the opportunity
- For participating
- For listening