

# Lab 1

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## Task 1

Run the code as it is. The idea is that we have a **Counter** class and we want to increment it a number of times. Verify that the output matches your expectations.

## Task 2

Delegate the work of increment the **Counter** to a separate thread. Start the thread and for it to finish its task. Verify once again that the output matches your expectations.

## Task 3

Create two threads to do the job twice, i.e. we want to increment the **Counter** twice. What do you think of the output? Is this what you expected to get?

Your output may differ since the order of execution can be thought of as random, you should expect something like the following

```
Counter value: 111379
```

## Task 4

Use an appropriate synchronization technique to ensure that you get the expected result. More details may be found [here](#).