TITLE
Laboratory 5. Modeling and Verifying Concurrency II

PREREQUISITES
- OOP basic knowledge
- Java programming language basic knowledge
- Algorithms

RESOURCES
- Course slides
- [Java Tutorial](#)
- [Java Concurrency](#)

LABORATORY INSTRUCTIONS
Download the archive attached to this laboratory.
Create a new project and import the code from the provided archive.
Inspect the code (reading the comments will provide useful information) and correct issues if there are any.
Run the code and observe the output.

LABORATORY TASKS
1. Answer the following questions:
   a. What is the purpose of the synchronized methods in ProducerConsumer class?
   b. What does the *notify()* and *wait()* Object's methods do?
2. Make the program to produce one item and immediately being consumed by the consumer, then another item is produced, and so on.