**Preconditions:**  
Install: JDK , IntelliJ Idea, TestNG.

1. Read sequence of real numbers from TestNG parameter. Find the maximum number and print it out to screen.

2. Read list of URIs.

Using regular expressions verify whether each URI is corresponding to the following format:

<scheme>://<host>:<protocol>/<path>

Please take into account that some of the attributes might be missing.

3. In terms of exercise 2 extract verification of URIs into a separate method.

Add to the project branch for tests.

Write code that will verify functioning of this method using TestNG data provider.

Your TestNG data provider should contain following items:

http://localhost/index.html

http://localhost/myapplication

http://localhost

http://localhost:8080/myapplication

http://lvtest.org.ua:8080/lvivprobne/

http://2plus2.ua/

https://www.google.com.ua/

https://www.yahoo.com/

https://en.wikipedia.org/wiki/Uniform\_resource\_locator

http://en.wikipedia.org/wiki/SoftServe

http://www.softserveinc.com/en-us/home/

http://ita.edu.softserveinc.com/

http://ita.edu.softserveinc.com/login/index.php

ita.edu.softserveinc.com/login/index.php

file:///C:/Program%20Files

**Please comment following questions**:

How many test methods do we need to resolve this task?

Where we should store the data for tests and how we can include it into them?

Do we have enough data to state that method works properly?