Tutorial problems – Friday 11 October 2019

- **5min** Ask whether the students have any questions. Collect them by writing them on the board and decide with the whole group which of these to address.
- **20min** Building on last weeks exercise about rectangles, let the students build a class **Rectangle** with field variables **private double width** and **private double height** with getters/setters and **toString()** method. Give the students 15min to work on this in groups of 2 or 3. Ask one group to present their solution.

25min Work on JUnit tests for the previous example. E.g.: with Rectangle rectangle1 = new Rectangle(3.0, 2.0);

The students should come up with good examples (e.g., (3.0,2.0), (3.0,0.0), (2.0,3.0) for area, obviously also circumference if such a method were present).

[5min] If time you can discuss the toString() method. (Printing with and without a toString() method present.)

[5min] For advanced groups and if time: Discuss static vs. non-static methods.

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