



Summer Term 2010

# Softwareentwicklung in der Geoinformatik Praxis

## **Assignment 1**

### **Java and Eclipse**

Bernd Resch

16 March 2011



# HOME STUDY !!!

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- <http://www.tutorialspoint.com/java/index.htm>
  - ◆ Java Basics

# Java ::: Assignment 1

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- Create a class called “CircleArea”, which calculates the area of a circle:
  - ◆ The radius of the circle is 4 units

# Java ::: Assignment 1

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- Create a class called “CircleAreaUserInput”, which calculates the area of a circle:
  - ◆ The radius of the circle shall be entered by the user
  - ➔ BufferedReader
  - ➔ Exception Handling (readLine() method)
  - ➔ String to Integer conversion

# Java ::: Assignment 1

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- Create a class called “Fibonacci”, which prints the Fibonacci sequence:
  - ◆ Fibonacci: the printed number is the sum of the two previous numbers
  - ◆ Definition: the first two numbers are 0 and 1
  - ◆ Print 20 iterations

# Java ::: Assignment 1

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- Put all the java files in a package named "assignment1\_<name1>\_<name2>"
- Submission by email:
  - ◆ Java code files
  - ◆ Including inline documentation of key parts
  - ◆ Short description of approach (directly in the email)
- Due 04 April 2011



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