

Practical Information

Presentation

- ▶ My name is Andreas Olsson
- ▶ Java Developer since 2001
- ▶ Teaching Java and Spring Boot since 2016
- ▶ How about you? Experience in Java? Expectations on the course?

Kursinnehåll på hemsidan

- Introduktion

- Praktisk information
 - Testare och Java

- Komma igång

- Installation
 - Struktur

- Grunderna i Java

- Variabler
 - Datatyper

- Grunderna i Java (fortsättning)

- Kommentarer
 - Klasser och paket
 - Metoder
 - Namnkonventioner
 - Åtkomstmodifierare
 - Objekt
 - Konstruktorer

- Grunderna i Java (fortsättning)

- Arv
 - Interface
 - Exceptions
- Arbetssätt
 - Skriva och köra tester
 - Testdriven utveckling
 - Mobprogrammering
 - Design patterns

Kursinnehåll - flödet i kursen

▸ Introduktion

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 - Testdriven utveckling

Course Content

- ▶ 1. Introduction
 - ▶ Practical Information
 - ▶ Testers & Java
- ▶ 2. Get Going
 - ▶ Installation
 - ▶ Structure
 - ▶ Classes and packages
 - ▶ Naming conventions
 - ▶ Comments
- ▶ 3. Data types & Variables
- ▶ 4. Conditional Statements*
- ▶ 5. Loops*
- ▶ 6. Arrays*
- ▶ 7. Methods & Access modifiers
- ▶ 8. Objects
- ▶ 9. Constructors
- ▶ 10. Inheritance
- ▶ 11. Interfaces
- ▶ 12. Collections*
- ▶ 13. Exceptions
- ▶ 14. Mob programming
- ▶ 15. Design patterns
- ▶ 16. Unit Tests with JUnit
- ▶ 17. TDD

Training Arrangement

- ▶ Theory and presentations
- ▶ Live coding demos
- ▶ Spending time on exercises
- ▶ Active learning - hands on exercises!

During Presentations/Live Coding

- ▶ You are welcome to ask questions!
- ▶ Great if we can have discussions
- ▶ Give me feedback! What should I do more/do less?
- ▶ There are no stupid questions!

During Exercises

- ▶ Work practically with the exercises
- ▶ Work individually or in pairs - Pair programming is ok
- ▶ Discuss and help each other!
- ▶ Ask me for help anytime, I am here for you!

A typical day

- ▶ 9.00 Starting the day
- ▶ Around 10.00 - 15 minute break
- ▶ Around 11.00 - short break
- ▶ 12.00 - 13.00 Lunch
- ▶ Around 14.00 - short break
- ▶ Around 15.00 - 15 minute break
- ▶ 16.30 Ending the day