

Java

Introduction

FSR Informatik

October 14, 2016

Overview

About this course

Requirements

- ▶ You know how to use a computer
- ▶ Please bring your computer with You
- ▶ Maybe already knowledge in programming languages?

Proceeding

- ▶ There will be 14 lessons
- ▶ Each covers a topic and comes with exercises

Some resources

- ▶ You can ask your tutor
- ▶ Join the Auditorium group
`http://auditorium.inf.tu-dresden.de`
- ▶ StackOverflow, FAQs, Online-tutorials, ...
- ▶ Official documentation
`https://docs.oracle.com/javase/8/`
- ▶ mailinglist `programmierung@ifsr.de`
- ▶ Cyberspace (wednesday 5./6. DS)

About Java

Pros:

- ▶ Syntax like C++
- ▶ Strongly encourages OOP
- ▶ Platform-independent (JVM)
- ▶ Very few external libraries
 - > Easy to use and very little to worry about



About Java

Cons:

- ▶ A lot of unnecessary features in the JDK
- ▶ Slower than assembly
- ▶ No multi-inheritance
- ▶ Weak generics
- ▶ Mediocre support for other programming paradigms
 - > Neither fast, small nor geeky



Hello World

DEMO