



ABAP CODING DOJO **@ SYSKOPLAN REPLY**

Hendrik Neumann

AGENDA

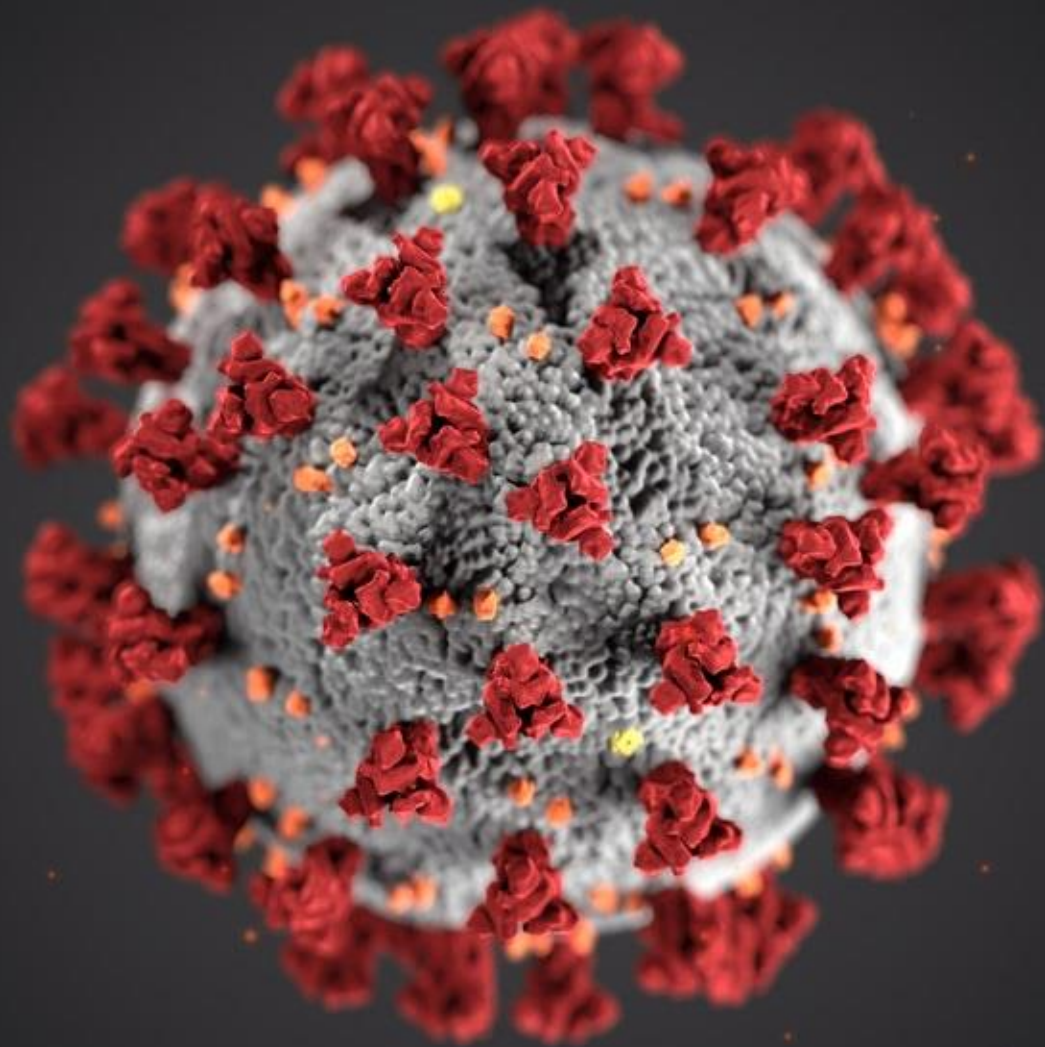
AUSGANGSLAGE
UMSETZUNG
FAZIT

A black and white photograph of three young boys in white martial arts uniforms standing in a dojo. The boy on the left is looking slightly to his left, the middle boy is looking forward, and the boy on the right is looking slightly to his right. They are standing on a dark mat. In the background, other people are visible, and the walls have a wooden slat pattern. The text "AUSGANGSLAGE" is overlaid in large, bold, white capital letters across the center of the image.

AUSGANGSLAGE

A black and white photograph of several children in martial arts uniforms (gi) standing in a room. The children are in the background, slightly out of focus. The text is overlaid in the center of the image.

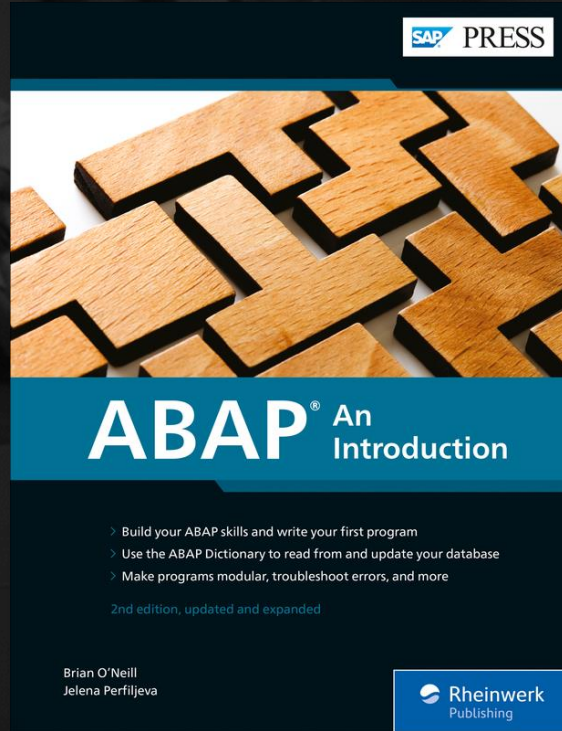
4 NEUE KOLLEGEN IM FRÜHJAHR 2020



WORK FROM HOME



Tipp: Aktuell
bestes ABAP
Einsteigerbuch!



Selbststudium – begleitet durch persönlichen Mentor

A row of empty wooden folding chairs is arranged in a dimly lit room, possibly a gym or a community center. The chairs are made of light-colored wood and are positioned in a line, receding into the background. In the background, a red sign with white text is visible, though the text is not clearly legible. The overall atmosphere is quiet and somewhat somber.

**PROBLEM:
DISTANZ,
EINZELKÄMPFER,
ÜBUNG FEHLT**

The background is a grayscale photograph of a martial arts dojo. Several students in white uniforms are visible, some standing in a line and others in motion. The lighting is soft, and the overall tone is professional and focused.

DIE LÖSUNG: ABAP CODING DOJO

UMSETZUNG



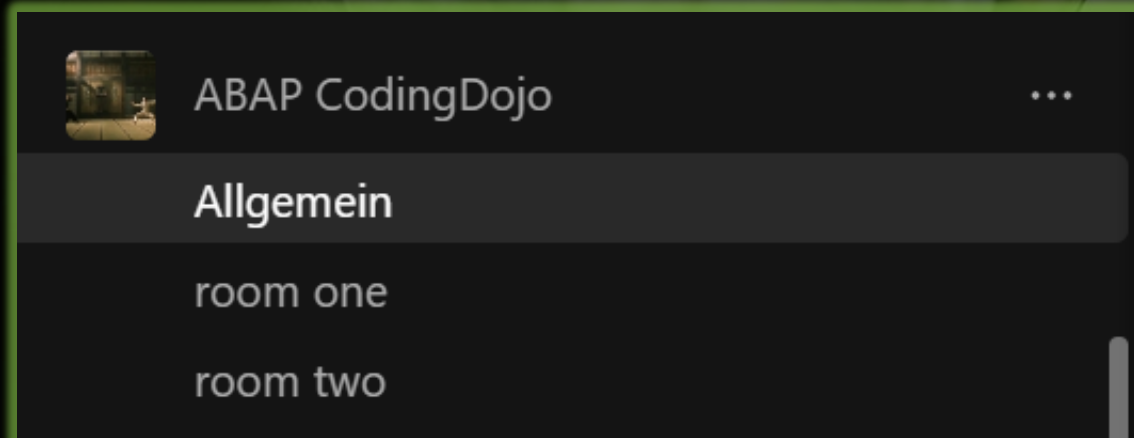
A person is seen from behind, sitting at a desk in a home office. They are wearing a light-colored long-sleeved shirt and glasses, and are typing on a laptop. The desk also has a glass of water and a desk lamp. A large window in the background shows a view of trees. The text "HERAUSFORDERUNG HOME OFFICE" is overlaid in the center in a large, bold, white font.

HERAUSFORDERUNG HOME OFFICE

MICROSOFT TEAMS

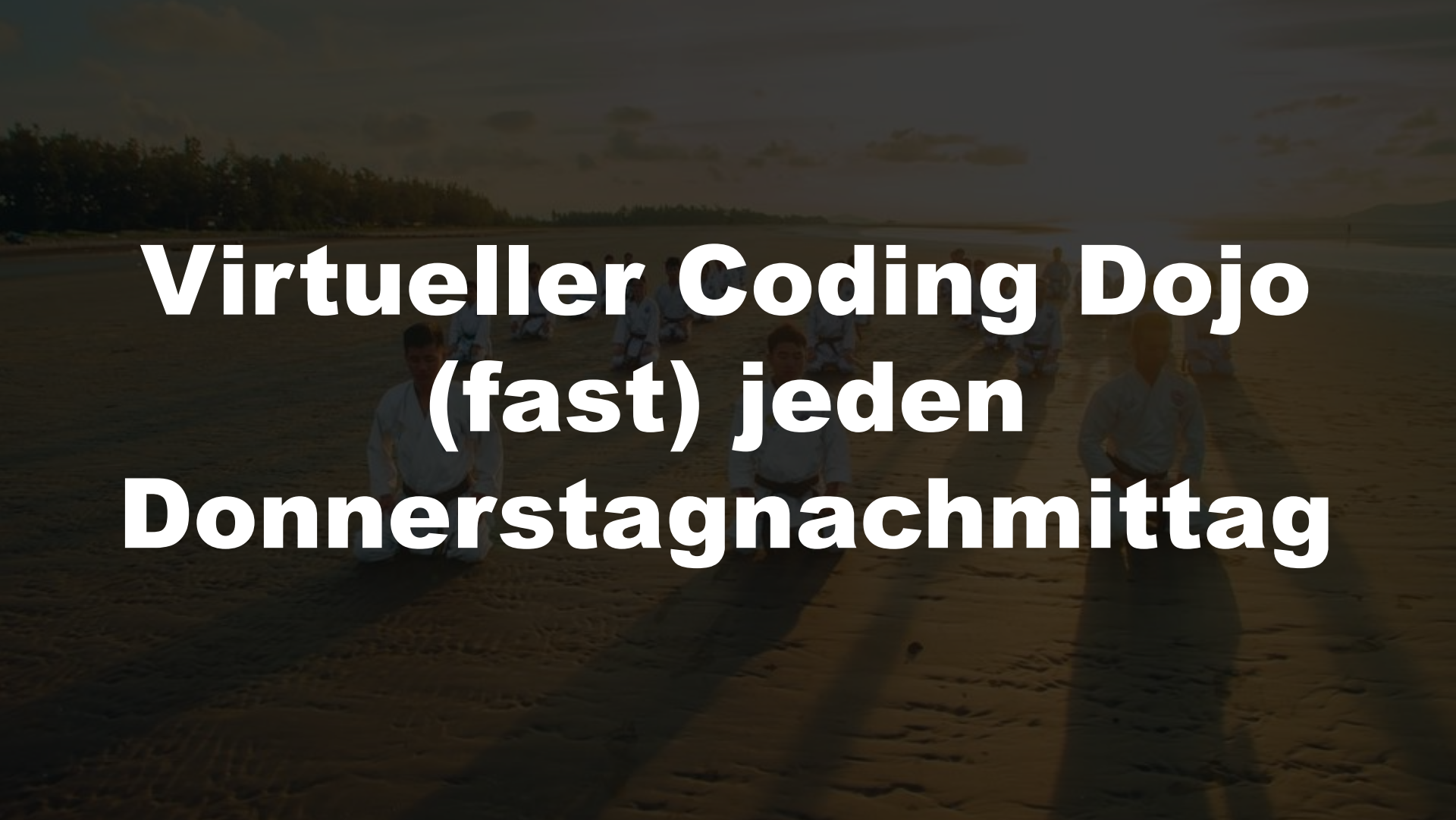
ABAP Coding Dojo Team

Keine Breakout Rooms → zwei Kanäle - unsere „Trainingsräume“



ORGANISATORISCH

A group of people, likely a martial arts team, are captured in a synchronized pose on a sandy beach. They are wearing light blue uniforms with dark belts. The background shows a sunset or sunrise with a warm, orange glow and silhouettes of clouds. The overall image has a dark, semi-transparent overlay, making the white text stand out prominently.

A group of people in white martial arts uniforms are practicing on a sandy beach at sunset. The background shows a calm sea and a line of trees under a dark, cloudy sky. The text is overlaid in the center in a large, bold, white font.

Virtueller Coding Dojo (fast) jeden Donnerstagnachmittag

A group of people, likely martial artists, are kneeling in a line on a sandy beach at sunset. They are wearing white uniforms with dark belts. The background shows a calm sea and a line of trees under a cloudy sky. Long shadows are cast across the sand.

4 Teilnehmer
2 Trainer

A group of people, likely martial artists, are kneeling in a line on a sandy beach. They are wearing white uniforms with dark belts. The background shows a calm sea and a line of trees under a sunset sky. Long shadows are cast across the sand.

Juni – September

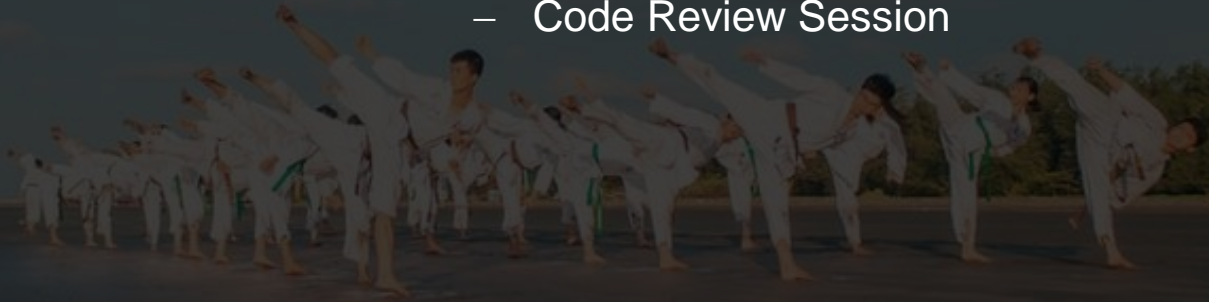
14 Coding Dojo Sessions

KATAS

- Roman Numerals
- FizzBuzz
- Roman Calculator
- Bowling Game
- Hangman
- Fibonacci
- Word Count
- Game of Life
- TicTacToe

Weitere Themen:

- ABAP Clean Code
- Design Pattern
- abapGit
- Code Review Session



KATAS

- Roman Numerals
- **FizzBuzz**
- Roman Calculator
- Bowling Game
- Hangman
- Fibonacci
- Word Count
- Game of Life
- TicTacToe



<https://codingdojo.org/kata/FizzBuzz/>

KATAS

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- Bowling Game
- **Hangman**
- Fibonacci
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- TicTacToe



7 mistakes

Your task

You have to implement a class `Hangman` that receives a `word` in it's constructor and has the method `guess`, that will be used by the player to try to guess the word.

<https://www.codewars.com/kata/56832fb41676465e82000030>

- Roman Numerals
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- TicTacToe

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on 7 Jul 2020[Packages](#)

No packages published
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- ABAP 100.0%

	hendrik77 Added Fibonacci and Leap Year to the list ...	on 8 Mar	75
src	last cleanup - format test code	15 months ago	
.abapgit.xml	Code Dojo - Roman Numerals - 4	2 years ago	
LICENSE	Initial commit	2 years ago	
README.md	Added Fibonacci and Leap Year to the list	9 months ago	

[README.md](#)

Hendriks ABAP Coding Dojo

ABAP katas solved TDD way. Some better, some not so much ;-) Idea: You can follow along my TDD way of solving a kata, by following the commits for each Kata.

Solved Katas

- Roman Numerals - <https://codingdojo.org/kata/RomanNumerals/>
- FizzBuzz - <https://codingdojo.org/kata/FizzBuzz/>
- Roman Calculator - <https://codingdojo.org/kata/RomanCalculator/>
- Bowling - <https://ccd-school.de/coding-dojo/class-katas/bowling/>
- Hangman - following <https://www.codewars.com/kata/56832fb41676465e82000030>

IMMER

Pair Programming Unit Tests

ABAP Development Tools



OFT

CodeRetreat Style

- **Mehrere Coding Sessions**
- **Rahmenbedingungen ändern**
- **Time Boxing**
- **Aufgabe nicht lösbar**
- **Immer neu starten**





STANDING ON THE SHOULDERS OF GIANTS

ABAP

CodeRetreat

ACR



Damir Majer
@majcon



Christian Drumm
@ceedee666

<https://wiki.scn.sap.com/wiki/display/events/ABAP+CodeRetreat>

STANDING ON THE SHOULDERS OF GIANTS



The screenshot shows the Coding Dojo website. At the top is a navigation bar with links: Dojos, Kata, Peoples, Records, Solutions, and a red 'Edit on GitHub' button. The main content area has a heading 'Welcome to the Coding Dojo website'. Below it is a paragraph explaining the website's purpose: 'The purpose of this website is to gather resources, sessions and stories from users around the world that the Coding Dojo website should provide to its user community.' This is followed by a link to a 'Wish List' and a prompt to add ideas. Then, there's a section 'About Coding Dojos' with a sub-heading 'To start off, a directory of who we are and what exactly are we doing:'. Below this is a bulleted list of links: 'What Is Coding Dojo', 'Coding Dojos', 'Who's Who', 'Kata Catalogue', and 'My First Dojo' (with a note about pragmatic suggestions for how a Dojo might work). At the bottom, it mentions a programme for a workshop at XP2010 and links to a 'Kata Workshop'.

Coding Dojo [Dojos](#) [Kata](#) [Peoples](#) [Records](#) [Solutions](#) [Edit on GitHub](#)

Welcome to the Coding Dojo website

The purpose of this website is to gather resources, sessions and stories from users around the world that the Coding Dojo website should provide to its user community.

You can check the [Wish List](#) and add ideas of what a Coding Dojo global website should provides.

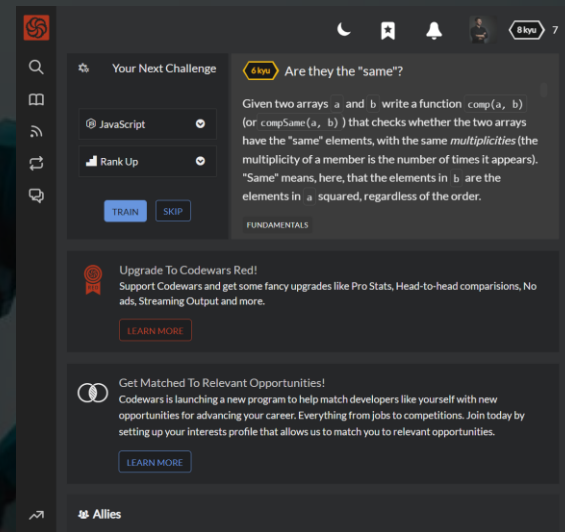
About Coding Dojos

To start off, a directory of who we are and what exactly are we doing:

- [What Is Coding Dojo](#)
- [Coding Dojos](#)
- [Who's Who](#)
- [Kata Catalogue](#)
- [My First Dojo](#) (some pragmatic suggestions for how a Dojo might work)

Programme for a workshop at XP2010 - see [Kata Workshop](#)

<https://codingdojo.org/>



The screenshot shows the Codewars website interface. It features a dark theme with a sidebar on the left containing icons for search, a book, a radio, a refresh, and a share. The main content area has a 'Your Next Challenge' section with a yellow '6 kyu' badge and the title 'Are they the "same"?'. The challenge description asks for a function `comp(a, b)` (or `compSame(a, b)`) that checks if two arrays have the same 'same' elements, where 'same' means the same multiplicities. Below the description are 'TRAIN' and 'SKIP' buttons. Further down, there's a section 'Upgrade To Codewars Red!' with a description of premium features and a 'LEARN MORE' button. Another section 'Get Matched To Relevant Opportunities!' mentions a new program for career advancement and also has a 'LEARN MORE' button. At the bottom, there's an 'Allies' section.

Your Next Challenge **6 kyu** Are they the "same"?

Given two arrays `a` and `b` write a function `comp(a, b)` (or `compSame(a, b)`) that checks whether the two arrays have the "same" elements, with the same *multiplicities* (the multiplicity of a member is the number of times it appears). "Same" means, here, that the elements in `b` are the elements in `a` squared, regardless of the order.

FUNDAMENTALS

Upgrade To Codewars Red!
Support Codewars and get some fancy upgrades like Pro Stats, Head-to-head comparisons, No ads, Streaming Output and more.

LEARN MORE

Get Matched To Relevant Opportunities!
Codewars is launching a new program to help match developers like yourself with new opportunities for advancing your career. Everything from jobs to competitions. Join today by setting up your interests profile that allows us to match you to relevant opportunities.

LEARN MORE

Allies

<https://www.codewars.com/>



The screenshot shows the Clean Code Developer School website. It features a header with the title 'Clean Code Developer School' and a subtitle 'Saubere Softwareentwicklung üben - regelmäßig, fokussiert, individuell, angeleitet'. Below the header is a row of five images showing handwritten code and diagrams on a grid background.

Clean Code Developer School

Saubere Softwareentwicklung üben - regelmäßig, fokussiert, individuell, angeleitet

<https://ccd-school.de/coding-dojos/>



FAZIT

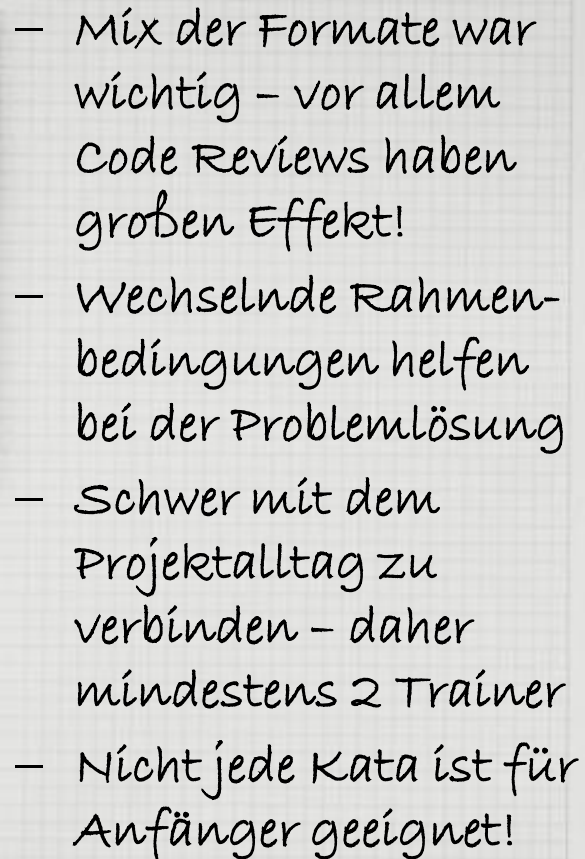


**Wir sind
happy!**



- Unsere Erwartungen wurden übertroffen
- ABAP Level der Teilnehmer erhöht
- Konzepte konnten vermittelt werden
- Teamgeist trotz remote Situation entstanden

Wir sind happy!

- 
- Mix der Formate war wichtig – vor allem Code Reviews haben großen Effekt!
 - Wechselnde Rahmenbedingungen helfen bei der Problemlösung
 - Schwer mit dem Projektalltag zu verbinden – daher mindestens 2 Trainer
 - Nicht jede Kata ist für Anfänger geeignet!

Was haben wir gelernt?

```
Link = {
  secondaryLink,
  dren,
  udekAvatar,
  ne,
  {
    n: className=styles.container}-

```

```
includeAvatar 44 {
  userDetailsCardAvatar
  user={user} delay={CARD_HOVER_DELAY}
  wrapper
  </UserDetailsCardAvatar>
}

```

```
div
  className=
  styles.link
  inline < styles.inlineLink
}

```

```
<UserDetailsCardAvatar user={user} delay={CARD_HOVER_DELAY}>
  <Link
    to={{ pathnames: buildUserUrl(user) }}
    className={classNames(styles.name, {
      [styles.alt]: type === 'alt',
      [styles.centerName]: !secondaryLink,
      [styles.inlineLink]: inline,
    })}
  >
    {children || user.name}
  </Link>
  {!secondaryLink
    ? null
    : <
      href={secondaryLink.href}
      className={classNames(styles.name, {
        [styles.alt]: type === 'alt',
        [styles.secondaryLink]: secondaryLink,
      })}
      >
        {secondaryLink.label}
      </a>
    }
  </UserDetailsCardAvatar>
</div>
<span>

```

```
Link.propTypes = propTypes;
Link.defaultProps = defaultProps;
```

Feedback der neuen Kollegen:



```

140 }
150 }
151
152 w renderWhatToShowLinks() {
153 w return {
154 w <div className={styles
155 w <div className={styles
156 w <ul className={clas
157 {this.renderWhat
158 {this.renderWhat
159 {this.renderWhat
160 {this.renderWhat
161 {this.renderWhat
162 {this.renderWhat
163 {this.renderWhat
164 {this.renderWhat
165 </ul>
166 </div>
167 }
168 }
169
170 w renderWhatToShowItem(title, url)
171 w return {
172 w <li className={styles.footer
173 w <a
174 href={trackHref(url)}
175 target="_blank"
176 rel="noopener noreferrer"
177 >
178 {title}
179 </a>
180 </li>
181 }
182 }
183
184 w renderFooterSub() {
185 w return {
186 w <div className={styles.footerSub}
187 w <Link to="/" title="Home - Shop
188 w <Icon
189 type="logo"
190 className={styles.footerSubLogo}
191 />
192 </Link>
193 <span className={styles.footerSubLogo}
194 </div>
195 }
196 }
197
198 w render() {
199 w return {
200 w <div className={styles.footerGlobal}
201 w <div className="container">
202 {this.renderFooterMain()}
203 {this.renderFooterSub()}
204 </div>
205 </div>
206 }
207 }
208 }
209 }

```



DANKE

an Enno & das abapConf Team



It depends...

@se38



Meine @AbapConf Session scheint ganz gut angekommen zu sein 😊 #abap



3:52 PM · Dec 9, 2021



6



1



Share this Tweet



It depends...

@se38



Meine @AbapConf Session scheint ganz gut angekommen zu sein 😊 #abap



David Henn Mega Vortrag



Igor Rivchin lessons learned aus der abapconf:
"Demos immer in Verbindung mit Bier - dann hat man sie alle abgeholt"

e L. Unfassbare Best Demo
nz großes Lob!

3:52 PM · Dec 9, 2021



6



1



Share this Tweet

BIER KATA



99 bottles of beer

Task

Display the complete lyrics for the song: **99 Bottles of Beer on the Wall**.

The beer song

The lyrics follow this form:

```
99 bottles of beer on the wall
99 bottles of beer
Take one down, pass it around
98 bottles of beer on the wall
```

```
98 bottles of beer on the wall
98 bottles of beer
Take one down, pass it around
97 bottles of beer on the wall
```

... and so on, until reaching **0** (zero).

https://rosettacode.org/wiki/99_bottles_of_beer

BIER KATA



METHOD

if_oo_adt_classrun~main.

" based on the ABAP solution of https://rosettacode.org/wiki/99_bottles_of_beer

DATA bottles_99 TYPE TABLE OF string WITH EMPTY KEY.

DATA(cr_lf) = cl_abap_char_utilities=>cr_lf.

bottles_99 = VALUE #(

FOR i = 99 THEN i - 1 UNTIL i = 0 (COND string(LET lv = (i - 1)

lr = i && | bottles of beer on the wall| && cr_lf

&& |{ i } bottles of beer| && cr_lf

&& |Take one down, pass it around| && cr_lf

&& |{ lv } bottles of beer on the wall|

&& cr_lf IN WHEN 1 = 1 THEN lr))).

out=>write(bottles_99).

ENDMETHOD.

FRAGEN



→ **MEET THE SPEAKERS**

