PEP Scala (2)

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Scala on Lab Computers

\$ /usr/share/scala/bin/scala

Welcome to Scala 2.12.6 (Java HotSpot(TM) 64-Bit Server VM, Java 10.0.1). Type in expressions for evaluation. Or try :help.

scala>

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Don't change anything with the templates!

Avoid at all costs:

- o var
- return
- ListBuffer
- mutable
- .par

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"Scala — <u>S</u>lowly <u>c</u>ompiled <u>a</u>cademic <u>la</u>nguage" — a joke(?) found on Twitter

Email: Hate 'val'

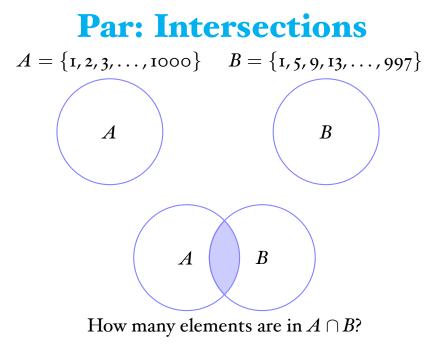
Subject: Hate 'val'

01:00 AM

Hello Mr Urban,

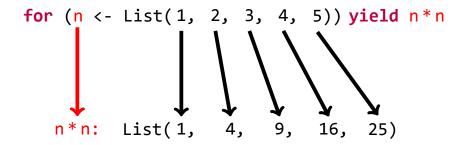
I just wanted to ask, how are we suppose to work with the completely useless **val**, that can't be changed ever? Why is this rule active at all? I've spent 4 hours not thinking on the coursework, but how to bypass this annoying rule. What's the whole point of all these coursework, when we can't use everything Scala gives us?!?

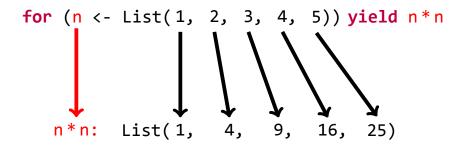
Regards. «deleted»



for (n <- List(1, 2, 3, 4, 5)) yield n*n</pre>

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This is for when the for-comprehension **yields** / **produces** a result.

for (n <- List(1, 2, 3, 4, 5)) yield n*n</pre>

VS

for (n <- List(1, 2, 3, 4, 5)) println(n)</pre>

The second version is in case the for **does not** produce any result.

Why Scala? No null!

• You can avoid null:



"I call it my billion-dollar mistake. It was the invention of the null reference in 1965. At that time, I was designing the first comprehensive type system for references in an object oriented language (ALGOL W). My goal was to ensure that all use of references should be absolutely safe, with checking performed automatically by the compiler. But I couldn't resist the temptation to put in a null reference, simply because it was so easy to implement. This has led to innumerable errors, vulnerabilities, and system crashes, which have probably caused a billion dollars of pain and damage in the last forty years." Sir Tony (Hoare)



My Office Hours: Mondays 12 - 14

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