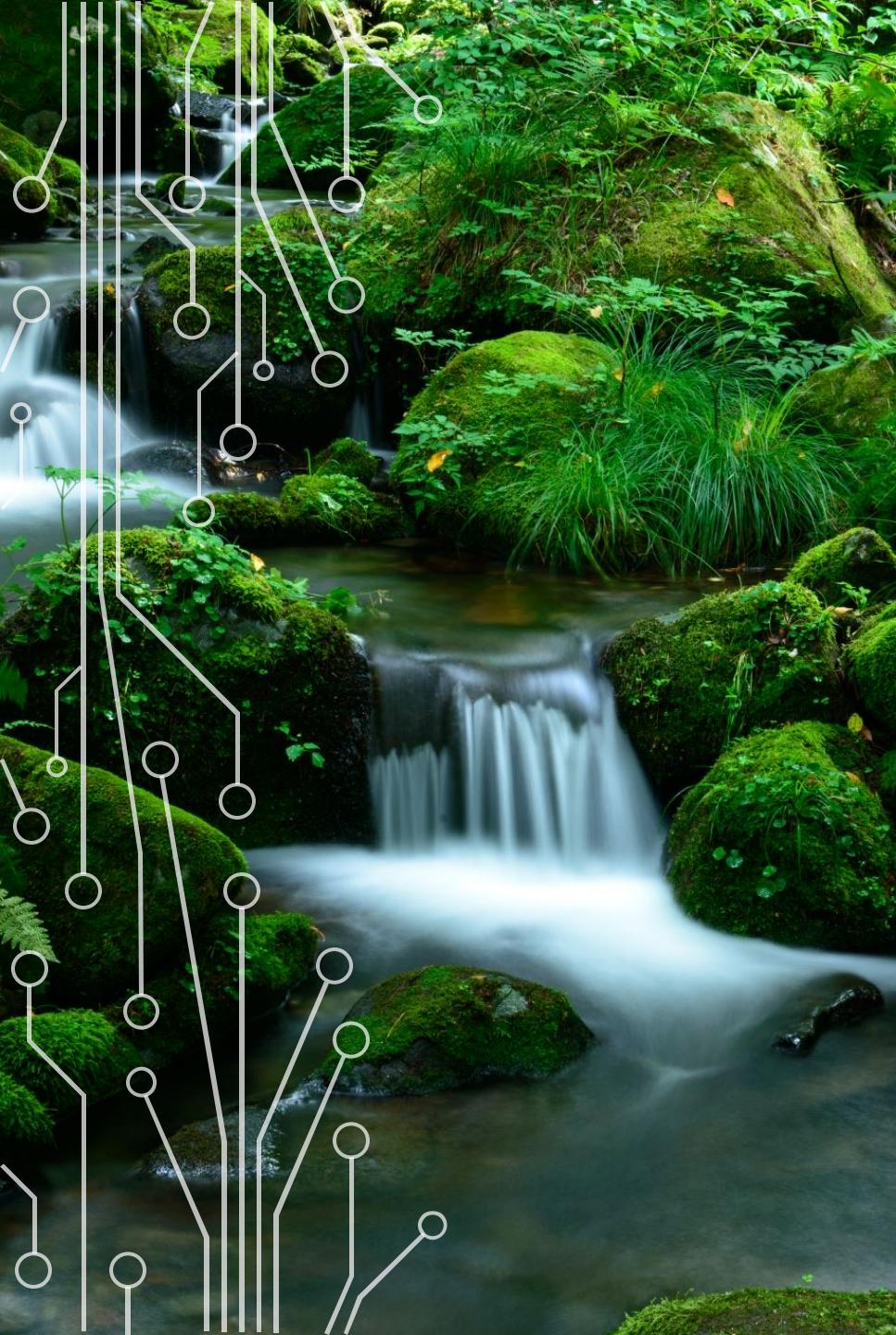




WHAT'S NEW



STREAM TO LIST

- When converting a stream to a list, no need to use `collect` and `Collectors.toList()` anymore...
- Instead: `toList!` Genius.



UPGRADED NPE

- **NullPointerExceptions** will now tell you which part is exactly null on the line, quite helpful for method chaining.

TEXT BLOCKS



We can now create
multi line strings in Java!



Done with: “”” some
multiline string “””



Let's explore...

SWITCH EXPRESSIONS

No fall through with ->

Return value with ->

-> can be used with multiline using { and },
use yield for returning a value

Old syntax and yield is also no fall through
and return value



COMPACT NUMBER FORMATTING SUPPORT

- NumberFormat.Style.SHORT, short indeed:
 - 1K
 - 1M
 - Etc
- NumberFormat.Style.LONG:
 - 1 thousand
 - 1 million
 - Etc



DAY PART SUPPORT

- New pattern: B
 - Morning
 - Afternoon
 - Evening
 - Night
 - Midnight

RECORDS

- Immutable data classes
- Sort of alternative for lombok
- Higher performance, less mistakes and less boilerplate

SEALED

Control which classes can extend your class

Also for interfaces extending interfaces

Especially useful for library writers

Syntax: public sealed class Blabla permits FriendClass,
Otherclass {}

Subclass must indicate whether it's: final, sealed or non-sealed

PATTERN MATCHING FOR INSTANCEOF

- Check for type and cast to type in one go
- Can be combined with && condition that will be executed only if the instance of was true (|| and & won't compile)

OTHER TOPICS

01

Repeat
lambda
expressions

02

Repeat
modules

03

Repeat
IO/NIO2

04

Repeat
serialization /
deserialization

05

Repeat
inheritance