What I learned migrating from



- •• Pattern Matching (instanceof)
- Text Blocks (Multiline Strings)
- Records (Data Classes)
- Switch Expressions
- •• Virtual Threads
- •• Sealed Classes

Pattern Matching (instanceof)

```
if (obj instanceof String) {
    String s = (String) obj;
    System.out.println(s.toLowerCase());
}
```

```
if (obj instanceof String s) {
    System.out.println(s.toLowerCase());
}
```



Cleaner type checks and less boilerplate.

Text Blocks (Multiline Strings)



Easier for SQL, HTML, JSON, etc.

Records (Data Classes)

```
public class User {
   private final String name;
   private final int age;

// constructor, getters, toString, equals...
}
```

```
public record User(String name, int age) {
}
```



Less boilerplate for data models.

Switch Expressions

```
switch (day) {
case 1:
    result = "Mon";break;
case 2:
    result = "Tue";break;
default:
    result = "Unknown";
}
```

```
String result = switch (day) {
   case 1 -> "Mon";
   case 2 -> "Tue";
   default -> "Unknown";
};
```



More concise, less error-prone.

Virtual Threads









Sealed Classes

```
public sealed class Shape permits Circle, Square {}

public final class Circle extends Shape {}

public final class Square extends Shape {}
```



Safer APIs with controlled inheritance.

Thank you!



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