

Annotations

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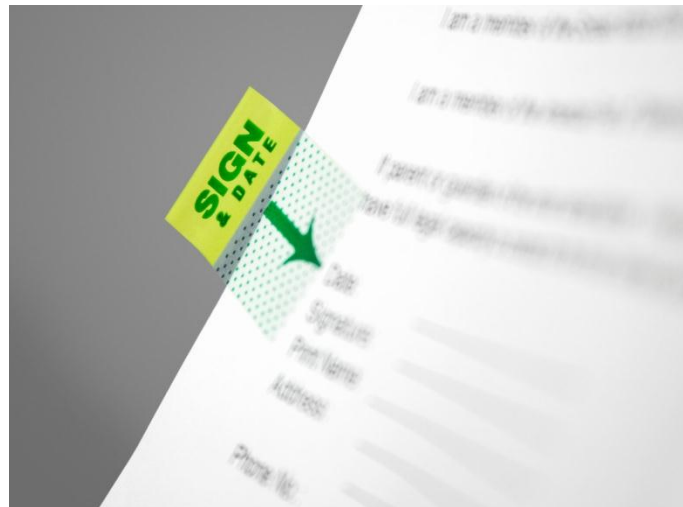


Outline

- What are Annotations?
- Annotation Uses
- Using Built in Annotations
- Creating an Annotation
- Reflection
- Using an Annotation in Code

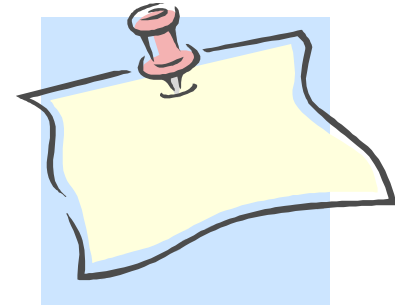
What are Annotations?

- **Metadata**
 - Data about the code
- **Does not directly effect code**



What are Annotations?

- Data holding class
- Applied to
 - Classes
 - Fields
 - Methods
- **Syntax:**
 - `@SuppressWarnings(value = "deprecation")`



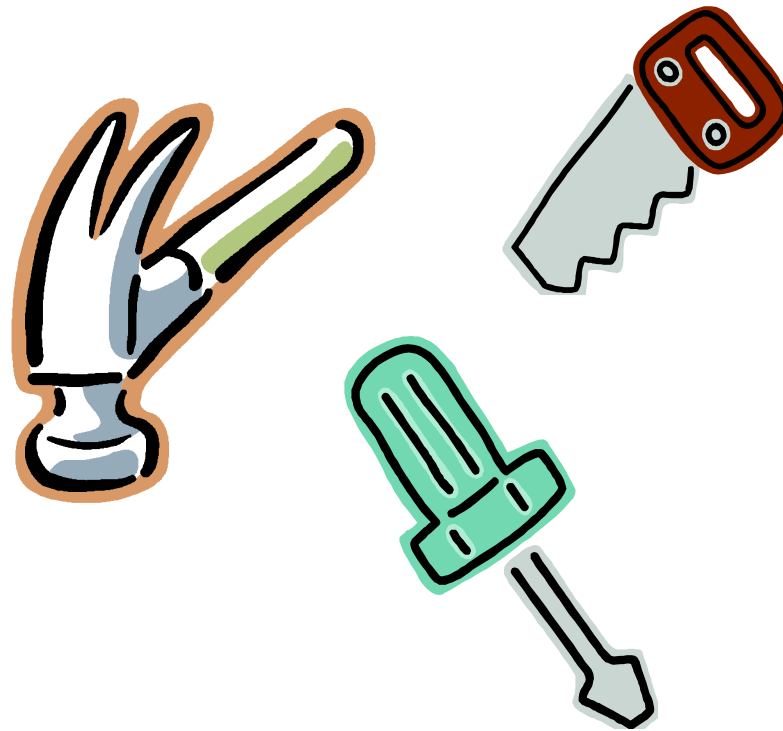
Annotation Uses

- Compiler



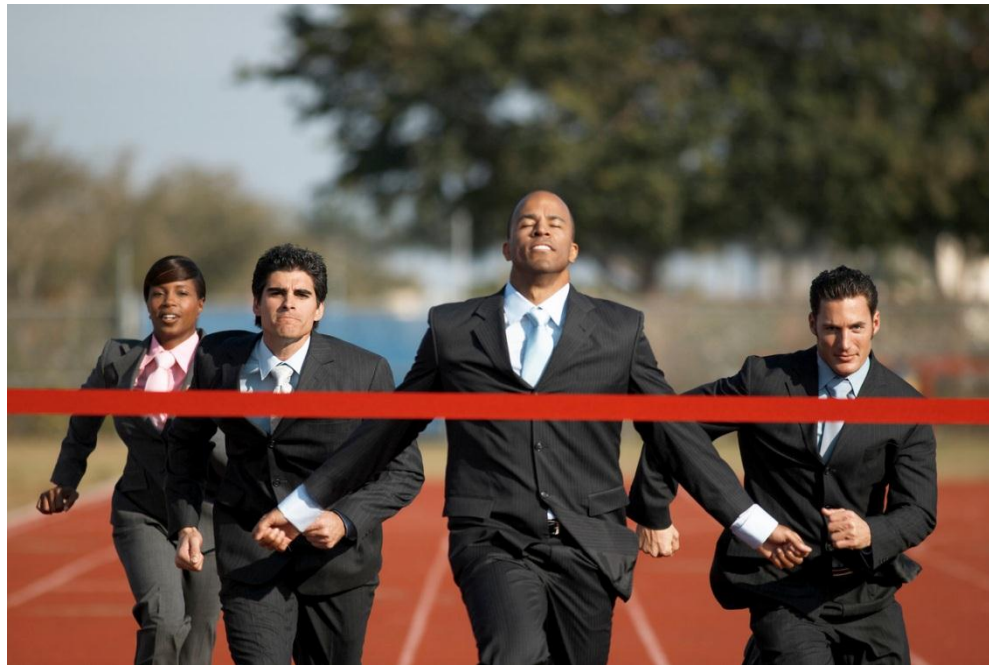
Annotation Uses

- Tools
 - Generate Code
 - Documentation
 - Testing Frameworks



Annotation Uses

- Runtime
 - Serialization
 - IoC
 - ORM



Reflection

- Code that can examine itself and even change itself at runtime



Summary

- What are Annotations?
- Annotation Uses
- Using Built in Annotations
- Creating an Annotation
- Reflection
- Using an Annotation in Code

