

# Lesson40

## PHP libraries and SPL

# Method chaining

## And fluent getters and setters

- Makes modifier methods return the host object, so that multiple modifiers can be invoked in a single expression.
- Method chaining is best implemented on functions/methods that modify their parent object. They usually set a variable or perform some action without returning a result.
- Implementation is extremely simple - simply return the object instance once the method has completed

# Dependency Injection

- When class A uses some functionality of class B, then it's said that class A has a dependency of class B
- Transferring the task of creating the object to someone else and directly using the dependency is called **dependency injection**
- DI is passing dependency to other object or framework.
- Injection can be done through class constructor, setter method or interface injection

# PHP Doc

- PhpDoc, short for PhpDocumentor, is a powerful tool that allows you to easily document your code via specially formatted comments
- A DocBlock is a multi-line C-style comment used to document a block of code. It begins with `/**` and has an asterisk at the start of each line
- DocBlocks consist of three sections: short description, long description, and tags. All three sections are optional.

# Reflection

- Reflection, as the name implies, is the ability for a computer program to inspect itself and tell you about the properties, methods and types of objects you are working with.
- Reflection is costly when you inspect many objects, and it has the potential to complicate your project's architecture and design.

# XML

## XML in PHP

- XML (eXtensible Markup Language) is a markup language used for storing and transporting data
- SimpleXML is a powerful library which converts XML strings to an easy to use PHP object