Day 1:

* Identifiers
* Data types
* Arrays
* Types of variables (Instance, static, local)
* Operators
* Type Casting
* Control statements (if, if else, while do-while, for, switch, break, continue, etc)
* Access modifiers (public, private, protected, default, static, strictfp, native, volatile, etc)
* Abstract class and interface
* Inheritance, overloading and overriding (not much depth)

Day 2:

* OOPS (Data hiding, Abstract, Encapsulation, Polymorphism, Inheritance)
* Static control flow
* Instance control flow
* Constructor
* Super and this key word
* Object type casting
* Exceptions

Day 3:

* Java.lang package (Object class methods)
* String class
* StringBuffer
* StringBuilder
* Class Loaders
* Wrapper classes
* Java.io package (I/O Streams)
* Serilization
* Collections (List, set, Map, Comparable and comparator, Generics)

Day 4:

* Collections (List, set, Map, Comparable and comparator, Generics)
* Threads (Creation of Thread, Multithread, synchronization, locks)
* Garbage collector

Day 5:

* Memory Management
* Java 8 Features
* Stream APi, filter, collect, forEach
* functional interfaces for lambda,
* function, bifunction, supplier
* map, flat map

Day 6:

* JDBC(Oracle and MySql examples)
* Connection
* Statement
* Prepared Statement
* Transaction

Day 7:

* Web components
* Client server Architecture
* Http Request
* Http Response
* Get, post, put and delete methods
* URL and URI
* Introduction to servlets (Servlet Context and Servlet Config objects)
* Sending the request to the servlets (text box, radio button, etc.)

Day 8:

* Sessions
* Cookies
* Filters
* JSP (Template Text, Scriptlet, JSP Declarations, JSP Directives, JSP Expression)
* JSP Tag Libs
* MVC Architecture

Day 9:

* Hibernate vs JDBC
* JPA/Hibernate
* Mapping using annotations
* JPA APIs
* JPQL
* Best Practices

Day 10:

* Maven
* GitHub

Day 11:

* HTML

Day 12:

* CSS

Day 13

* JavaScript

Day 14 to Day 30

SPRING FRAMEWORK:

* Introduction to Spring Framework

Spring Core:

* Strategy Pattern
* Spring Inversion of Control(IOC)
* Types of IOC
* Constructor vs Setter injection
* Mapping Constructor Arguments
* Collection injection
* Bean inheritance
* Collection Merging
* Inner Beans
* Bean Scopes
* Nested BeanFactories
* Using p & C -Namespace
* Dependency Check
* Depends-On
* Bean Lifecycle
* Aware Interfaces
* Static Factory Method
* Instance Factory Method
* Factory Bean
* Method Replacement
* Lookup Method Injection
* Property Editors
* Internationalization
* Bean Post Processor
* Bean Factory post Processor
* Event Processing
* Bean Factory vs Application Context
* Spring Annotation Support
* Introduction to J2EE Annotation
* Spring Annotation Support
* Spring Java Config Annotations

Spring Web MVC:

* Advantages of Spring Web MVC
* Dispatcher Servlets
* Configuring ApplicationContext
* Controller
* AbstarctController
* Other simple controllers
* AbstractCommandController
* SimpleController
* Validator
* HandlerMapping
* ViewResolver

Spring Data:

Spring Boot:

Spring Rest: