# Java for Beginners

1. **Chapter 1**
2. **Chapter 2**
3. **Chapter 3**
   - 3.1 - Variables, Data Types, Literals
   - 3.2 - Operators, Variable declaration and naming rules
   - Quiz 3
4. **Chapter 4**
   - 4.1 - Concept of Control Flow Statements, If-Else Statement
   - 4.2 - 'If-else' Statement - Biggest of 2 Numbers
   - 4.3 - 'If-Else If' Statement, Switch Statement, While-Loop
   - 4.4 - Demo - 'While Loop' -Sum of numbers
   - 4.5 - Do While Loop
   - 4.6 - Demo -'Do while' -Sum of 2 Numbers
   - 4.7 - For Loop, For-Each Loop
   - Quiz 4
5. **Chapter 5**
   - 5.1 - OOPS
   - 5.2 - Facebook data
   - 5.3 - Object, Class, Fields & Parameters
   - 5.4 - Creating an Object, Accessing Fields & Methods, Sending info to Method
   - 5.5 - Project - Create an Object, Calling Method, Accessing Fields,Sending & Returning Data
   - 5.6 - Modifiers
   - 5.7 - Project - Private Modifier
   - 5.8 - Static & Final keywords, Solution for Magical Numbers
   - 5.9 - Project - Static members & Final Variable
   - 5.10 - Project -Main Method & “System.out.println()”
   - Quiz 5
6. **Chapter 6**
   - 6.1 - Removing Duplicate Code, Inheritance, Composition
   - 6.2 - Project -Inheritance & Composition
   - 6.3 - 'Root' Class Object
   - Quiz 6

7. **Chapter 7**
    - 7.1 - Removing Duplicate code using Abstract Class
    - 7.2 - Solution for Multiple Inheritance -Interface
    - 7.3 - Project -Implementing Multiple Inheritance using Interface
    - Quiz 7
8. **Chapter 8**
    - 8.1 - Arrays, Declaring, Initializing & Iterating an array
    - 8.2 - Project - Usage of array length & For-each Loop
    - 8.3 - Array of Objects, Returning an array from a Method & Copying contents of an array
    - 8.4 - Demo -Sorting, Searching & Comparing arrays
    - Quiz 8
9. **Chapter 9**
    - 9.1 - Polymorphism
    - 9.2 - Project - Method Overloading
    - 9.3 - Overridding Mechanism, Polymorphic Reference Variable
    - 9.4 - Project - Removing duplicate code using Polymorphic variable
    - Quiz 9
10. **Chapter 10**
    - 10.1 - Constructors, Contructor Overloading
    - 10.2 - Constructor Chaining, Rules
    - Quiz 10
11. **Chapter 11**
    - 11.1 - Packages part 1
    - 11.2 - Packages part 2
    - 11.3 - Packages part 3
    - Quiz 11
12. **Chapter 12**
    - 12.1 - Exception Handling
    - 12.2 - Exception Handling Demo
    - Quiz 12

13. **Chapter 13**
    - 13.1 - File Handling - I/O part 1
    - 13.2 - File Handling - I/O part 2
    - 13.3 - File Handling - I/O part 3
    - Quiz 13