

Core Java:

- 1. JDK Setup
- 2. First Program
- 3. Developmnt structure
- 4. JDK 15 and Eclipse Setup
- 5. Programing elements
- 6. Printing in Command prompt
- 7. Local variables
- 8. Unary Operators
- 9. Command line arguments
- 10. if block
- 11. nested if blocks
- 12. if blocks with unary operators
- 13. else block
- 14. if-else blocks inside if block
- 15. if-else blocks inside else block
- 16. if-else blocks with unary operators
- 17. ternary operator
- 18. switch-cases
- 19. for-loop



- 20. break and continue
- 21. nesting of loops
- 22. labeled loops
- 23. for-each loop
- 24. while loop
- 25. do-while
- 26. Methods
- 27. attributes
- 28. SIB
- 29. IFR and Multiple classes
- 30. Object and reference variable
- 31. this key word
- 32. constructors
- 33. constructor overloading and this()
- 34. IIB
- 35. objects count
- 36. Encapsulation
- 37. Inheritance
- 38. super() calling statement
- 39. packages



- 40. access levels
- 41. abstrcat classes
- 42. interfaces
- 43. method overloading
- 44. method overriding
- 45. auto widening
- 46. explicit narrowing
- 47. auto upcasting
- 48. explicit down casting
- 49. achieving polymorphism
- 50. final key word
- 51. classpath
- 52. Javadoc, javap and jar commands
- 53. Scanner class
- 54. Eclipse
- 55. Wrapper classes basics
- 56. auto boxing and auto unboxing
- 57. why do we require Exception Handling



- 58. try-catch
- 59. try-catches
- 60. try-catch-finally
- 61. exceptional conditions of finally
- 62. return statement
- 63. Errors and Exceptions
- 64. Checked and Unchecked
- 65. throws
- 66. throw
- 67. throws in overriding
- 68. assertions
- 69. toString
- 70. equals
- 71. hashCode
- 72. Garbage Collection and clone
- 73. reflection api
- 74. basics
- 75. advanced
- 76. annotations
- 77. static imports



- 78. why do we required an inner classes
- 79. non static, staic and local inner classes
- 80. anaymous inner class
- 81. lambda expressions
- 82. basics
- 83. synchronization
- 84. thread life cycle
- 85. accessories
- 86. basics and important methods
- 87. StringBuffer
- 88. Formatters
- 89. Regular expressions
- 90. DateFormaters and NumberFormatters
- 91. arrays
- 92. introduction
- 93. basic operations
- 94. different collections
- 95. list
- 96. queues
- 97. avoiding duplicates (set)



- 98. maps
- 99. iterators
- 100.sorting
- 101. TreeSet and TreeMap
- 102.sorting map based on values
- 103. modifying collections classes as synchronized
- 104. concurrent package
- 105.sort even and odd separately
- 106.basics
- 107.advanced
- 108.basics
- 109. readers and writers
- 110. streams
- 111. serialization
- 112, adv serialization and externalization
- 113 PrintStream
- 114 serial Version UID
- 115. for Each() method in Iterable interface.
- 116. default and static methods in Interfaces.
- 117. Functional Interfaces and Lambda Expressions.

- 118. double colon (::) Operator
- 119. for Each in detailed
- 120. Java Streams creation
- 121. Java Streams Usage
- 122. Java IO improvements.
- 123. Java Date and Time API Improvement
- 124. Collection API improvements
- 125. Concurrency API improvements