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- Core Java
- Python
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Detailed Course content

Core Java Basics

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
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20. break and continue
21. nesting of loops
22. labeled loops
23. for-each loop
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26. Methods
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29. IFR and Multiple classes
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34. IIB
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- 42. interfaces
- 43. method overloading
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- 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

Core Java Advanced

- 1. Wrapper classes basics
- 2. auto boxing and auto unboxing
- 3. why do we require Exception Handling
- 4. try-catch
- 5. try-catches
- 6. try-catch-finally

7. exceptional conditions of finally
8. return statement
9. Errors and Exceptions
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11. throws
12. throw
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17. hashCode
18. Garbage Collection and clone
19. reflection api
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24. why do we required an inner classes
25. non static, staic and local inner classes
26. anaymous inner class
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29. synchronization
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44. maps
45. iterators
46. sorting
47. TreeSet and TreeMap
48. sorting map based on values
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50. concurrent package

51. sort even and odd separately
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53. advanced
54. basics
55. readers and writers
56. streams
57. serialization
58. adv serialization and externalization
59. PrintStream
60. serialVersionUID
61. forEach() method in Iterable interface.
62. default and static methods in Interfaces.
63. Functional Interfaces and Lambda Expressions.
64. double colon (::) Operator
65. forEach in detailed
66. Java Streams creation
67. Java Streams Usage
68. Java IO improvements.
69. Java Date and Time API Improvement
70. Collection API improvements
71. Concurrency API improvements

Python

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2. Softwares download and Installation with pycharm
3. programming basics
4. Arithmetic Operators
5. Binary Conversion
6. Binary Operators
7. if-elif-switch-cases-ternary
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11. Tuple
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13. functions
14. filter, map and reduce
15. Modules and Packages
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17. Encapsulation section1

18. Encapsulation section2
19. Encapsulation section3
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23. Exception Handling
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25. File Handling set2
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30. Regular Expressions (regex)
31. Multi Threading session1
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SQL

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2. SQL Developer installation

3. Oracle 11g un installation
4. DDL and DML
5. DQL
6. NOT NULL, UNIQUE AND PRIMARY
7. FOREIGN KEY
8. ONE-TO-ONE
9. ONE-TO-MANY
10. MANY-TO-MANY
11. DATE AND TIMESTAMP
12. DESIGNING EMPLOYEE DATABASE
13. 1NF, 2NF and 3NF
14. Designing Car database

JavaScript

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 2. pre requisites
 3. softwares required.
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 1. write
 2. log
 3. alert
3. input

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2. confirm
4. events
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 2. onload
 3. onchange
 4. onblur
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 3. let
6. default
 1. values
 2. typeof
 3. default with if
 4. double equals (==)
 5. triple equals (===)
7. basic form validations
 1. text, password and textarea
 2. radio
 3. checkbox
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- 5. multi select
- 8. getElementById
 - 1. p, div and span
 - 2. swap
 - 3. hidden and show
 - 4. change color
- 9. display validation errors
 - 1. single field
 - 2. multiple fields
- 10. objects
 - 1. with fields
 - 2. with functions
 - 3. with nested
- 11. arrays
 - 1. basics
 - 2. sort
 - 3. array with objects
- 12. form data manipulation
 - 1. select all
 - 2. reverse select all
 - 3. dynamic population
 - 4. transfer options
 - 5. string functions

6. trim

7. email validation

8. multi dimensional array

9. sorting records based on column

10. sorting options of drop down