JAVA 8 New Features

Course Syllabus

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No of Videos: 93   **No of Hrs:20+**

Topic: Introduction

1.Introduction

Topic: Lambda Expressions & Functional Interfaces

2.Lambda expressions : Introduction

3. How to Write Lambda expressions- Part-1

4. How to Write Lambda expressions -Part-2

5. Functional Interface

6. @FunctionalInterface Annotation

7. @FunctionalInterface Annotation wrt Inheritance

8. Invoking Lambda Expression By using Functional Interface example-1

9. Invoking Lambda Expression By using Functional Interface examples-2,3,4

10. Invoking Lambda Expression By using Functional Interface example-5

11. Functional Interface, Lambda Expression Summary

Topic: Lambda Expressions with Collections

12. Collections Overview: List and Set

13. Collections Overview: Map

14. Comparator interface & compare method

Topic: Anonymous Inner Classes & Lambda Expressions

Topic: Default Methods and Static Methods in Interfaces

Topic: Predefined Functional Interfaces -Predicate

31. Program to display names starts with 'K' by using Predicate

32. Predicate Example to Remove null values and Empty String from the given List?

33. Program for User Authentication by using Predicate

34. Program to Check Whether Software Engineer is allowed into Pub or not?

35. Employee Management Application by using Predicate Part-1

36. Employee Management Application by using Predicate Part-2

37. Employee Management Application by using Predicate Part-3

38. Predicate interface isEqual() method

Topic: Predefined Functional Interfaces -Function

39. Predefined Functional Interfaces-Function

40. Program to remove spaces present in the given String by using Function

41. Program to find Student Grade by using Function

42. Progarm to find Total Monthly Salary of All Employees by using Function

43. Progarm to perform Salary Increment for Employees by using Predicate & Function

44. Function Chaining

45. Demo program to Demonstrate the difference between andThen() and compose()

46. Demo Program for User Authentication by using Function Chaining

47. Function interface Static Method : identity()

Topic: Predefined Functional Interfaces -Consumer

48. Consumer Introduction

49. Program to display Movie Information by using Consumer

50. Program to display Student Information by using Predicate,Function and Consumer

51. Consumer Chaining

Topic: Predefined Functional Interfaces - Supplier

52. Supplier Introduction

53. Program to get System Date by using Supplier

54. Program to get Random Name by using Supplier

55. Program to get Random OTP by using Supplier

56. Program to get Random Password by using Supplier

57. Comparison Table of Predicate,Function,Consumer and Supplier

Topic: Two-Argument (Bi) Functional Interfaces- BiPredicate, BiFunction & BiConsumer

Topic: Primitive Type Functional Interfaces, Unary Operator and Binary Operator

73. UnaryOperator and its Primitive Versions

74. BinaryOperator

75. Primitive Versions for BinaryOperator

Topic: Method and Constructor Reference By using :: Operator

76. Method Reference By Double Colon(::) Operator Part-1

77. Method Reference By Double Colon(::) Operator Part-2

78. Constructor Reference By Double Colon(::) Operator

Topic: Streams

79. Introduction to Streams

80. Methods of Streams:filter() and map()

81. Difference between filter() and map()

82. Various methods of Stream Part-1

83. Various methods of Stream Part-2

84. Various methods of Stream Part-3

85. Various methods of Stream Part-4

86. Summary of Streams

Topic: Date and Time API

87. Date and Time API Introduction Part-1

88. Date and Time API Introduction Part-2

Topic: Java 8 New Features Summary