

Java tutorial: Learn Java Programming with examples

This tutorial would help you learn Java like a pro. I have shared 500+ tutorials on various topics of Java including tutorials on core java and advanced Java concepts and Java programming examples. This core Java Tutorial contains the links of all the tutorials in a systematic order starting from beginner's level to the advanced topics. Whether you are a college student looking for learn Java programming or a company employee learning advanced Java topics for building an application in Java, this Java tutorial would definitely be useful for you. Let's start learning.

Java Tutorial

To learn Java programming, refer these tutorials in the given order. These tutorials are written for beginners so even if you have no prior knowledge in Java, you won't face any difficulty understanding these tutorials(this page includes core Java tutorial and advanced Java tutorial).

Tutorials on Java basics

Start from here. An **introduction to java** and java basics with examples.

1. [Introduction to Java](#)
2. [Java Virtual Machine\(JVM\) Basics](#)
3. [First Java Program](#)
4. [Variables in Java](#)
5. [Java Data Types](#)
6. [Java Operators](#)
7. [If-else in Java](#)
8. [Switch-Case in Java](#)
9. [Java For loop](#)
10. [Java While loop](#)
11. [do-while loop in Java](#)
12. [Java Continue statement](#)
13. [Java Break statement](#)

Java OOPs tutorial

14. [Constructor in Java](#)
15. [Static keyword in Java](#)
16. [Java Inheritance with example](#)
17. [Types of inheritance in Java](#)
18. [Aggregation in Java](#)

19. [Association in Java](#)
20. [Super Keyword in Java](#)
21. [Method overloading in Java](#)
22. [Method overriding in Java](#)
23. [Java – Method Overloading vs Method Overriding](#)
24. [Polymorphism in Java](#)
25. [Types of polymorphism in Java](#)
26. [Static and dynamic binding](#)
27. [Abstract class in Java](#)
28. [Java Abstract method with example](#)
29. [Interface in Java](#)
30. [Java – Abstract class vs interface](#)
31. [Java Encapsulation with example](#)
32. [Java Packages with examples](#)
33. [Access modifiers in Java](#)
33. [Garbage Collection in Java](#)
34. [final keyword](#)

Java Exception Handling Tutorial

35. [Java Exception handling](#)
36. [Java try-catch block](#)
37. [Java finally block](#)
38. [How to throw exception in Java](#)
39. [Custom Exception in Java](#)
40. [Exception Examples](#)

Java Collections Tutorial

41. [Java ArrayList](#)
42. [Java LinkedList](#)
43. [Vector in Java](#)
44. [HashMap in Java](#)
45. [Java TreeMap](#)
46. [Java LinkedHashMap](#)
47. [Java HashSet](#)
48. [TreeSet in Java](#)
49. [LinkedHashSet](#)
50. [Hashtable in Java](#)
51. [Queue](#)
52. [PriorityQueue](#)
53. [Deque & ArrayDeque](#)
54. [Comparable Interface](#)
55. [Comparator Interface](#)

Java Tutorial on Annotation, Enum and Regex

- 56. [Java Enum](#)
- 57. [Java Annotations](#)
- 58. [Java Regex](#)

Miscellaneous Core Java tutorial

- 59. [String in Java](#)
- 60. [Java Multithreading](#)
- 61. [Java Serialization](#)
- 62. [Java AWT Tutorial](#)
- 63. [Java Swing Tutorial](#)
- 64. [Java autoboxing and unboxing](#)
- 65. [Wrapper Class in Java](#)

Java 8 Tutorial

There are several new features introduced in Java 8. I have covered all the [Java 8 Features](#) in the separate tutorials, here are the links:

- 66. [Java Lambda Expressions](#)
- 67. [Java Method References](#)
- 68. [Java Functional Interfaces](#)
- 69. [Java Stream Tutorial](#)
- 70. [Java Stream Filter Tutorial](#)
- 71. [Java Interface changes – introduction of default and static methods](#)
- 72. [Java forEach](#)
- 73. [Java Stream Collectors class](#)
- 74. [Java StringJoiner class](#)
- 75. [Java Optional class](#)
- 76. [Java Arrays Parallel Sort](#)

Java 9 Features

Here are the tutorials on [Java 9 features](#) –

- 77. [Java 9 – REPL \(JShell\)](#)
- 78. Factory methods to create immutable [List](#), [Set](#) and [Map](#)
- 79. [Introduction of Private methods in interfaces](#)
- 80. [Try with resources enhancements](#)
- 81. [Anonymous inner class and diamond operator](#)
- 82. [@SafeVarargs Annotation \(with examples\)](#)
- 83. [Java 9 – Stream API Enhancements \(With Examples\)](#)
- 83. [Java 9 Modules](#)

Java Input/Output Tutorials

84. [Create a file in java](#)
85. [Read a file in java](#)
86. [Write a file](#)
87. [Append to a file in java](#)
88. [How to delete file in Java](#)
89. [How to compress a File in GZip format](#)
90. [How to Copy a File to another File in Java](#)
91. [How to get the last modified date of a file in java](#)
92. [How to make a File Read Only in Java](#)
93. [How to check if a File is hidden](#)

For more Java I/O tutorials, refer this: [Java I/O](#)

Java Programs

I have shared 50+ programs of Java programming language, links for some of the programs are shared below. These programs are especially shared for beginners.

To get the complete list of java programs, refer: [Java Examples](#).

94. [Java program to Display Fibonacci Series](#)
95. [Java program to Find Factorial](#)
96. [Java program to swap two numbers using bitwise operator](#)
97. [Java program to find largest of three numbers using ternary operator](#)
98. [Java program to check leap year](#)
99. [Java Program to Reverse an input number](#)
100. [Java Program to Calculate area of circle](#)
101. [Java Program to Calculate area of triangle](#)
102. [Java Program to Find sum of array elements](#)
103. [Program to Check for prime number](#)
104. [Program to Check whether number is even or odd in Java](#)
105. [Java Linear Search Program](#)
106. [Java Binary Search Program](#)
107. [Program to Generate random number in Java](#)
108. [Java program for Binary to decimal conversion](#)
109. [Java Program Get input from user](#)