



RESOURCES FOR LEARNING JAVA

approved by NIX Java experts

Java is a flexible object-oriented programming language used both in small services and large corporate systems. By choosing Java, you opt for stability and get on the path of learning the basics of software development. Be assured that once you learn Java, the whole IT world will be at your feet. By the way, since 2004, Java is the first programming language taught in schools and universities in the USA.

Curious about it? Then start learning now!

OOP

- [Polymorphism](#)
- [OOP principles](#)

JAVA BASICS

- Java (JDK, JVM, JRE, Compiler)
- Data types
- Primitives
- Type conversion
- Logical/Mathematical operations
- Reference types
- Arrays
- Working with strings
- Conditional operators
- Cycles
- Classes, Objects, Interfaces
- [Exceptions](#)
- Collections
- [What's new in Java8?](#)

- [Input/Output](#)
- [Multithreading](#)
- [Work with Database, JDBC](#)
- [Servlet API](#)

JAVA FRAMEWORKS, LIBRARIES, AND TOOLS

- [Maven](#)
- [Git](#)
- [Spring](#)
 - [Web](#)
 - [Data](#)
 - [Security](#)
 - [Boot](#)
- [Hibernate](#)
- [Apache Commons](#)
- [Apache Tomcat](#)

DATABASES

- [MySQL](#)
- [MongoDB](#)
- [H2](#)

CLIENT ENVIRONMENT

1. [HTML](#)
2. [CSS](#)
 - [Cascading Style Sheets, level 1](#)
 - [Cascading Style Sheets Level 2 Revision 1](#)
 - [CSS Snapshot 2018](#)
3. [JavaScript](#)
 - [Modern JavaScript tutorial](#)
 - [The Progressive JavaScript Framework](#)
 - [jQuery](#)

SUGGESTED REFERENCES

1. Cay Horstmann - Core Java. Volume 1: Fundamentals. Chapters 1-3
2. Bob Martin - Clean Code: Creation, analysis, and refactoring
3. Joshua Bloch – Effective Java. 3rd Edition
4. Natalia Voitiushenko, Alla Ostapets - Informatics and Computer Engineering

WE ARE WAITING FOR YOU!



<https://nixstech.com/>