

Resources for Learning and Practicing Java Programming

There are various resources out there on the internet for learning and practicing Java. The vast amount of resources can confuse a beginner as to where they can get started. The following are some resources that can help a beginner to easily get started with Java Programming.

1. Official Documentation and Websites:

Websites like Oracle Java documentation and OpenJDK can be great for beginners as they provide the necessary information that a starter may need to step into Java Programming.

- Oracle Java Documentation provides comprehensive documentation of Oracle JDK. It covers Java SE API, tutorials, guides and specifications.
- OpenJDK is an open-source implementation of the Java Platform.

2. Books and E-books:

Books are the most fundamental source of knowledge in our lives.

- Java Concepts by Cay Horstmann is a must as its beginner friendly. It is popular for its clear explanations, well chosen examples and covers core Java concepts beautifully.
- Java: How to Program by Hatvey Deitel is an "easy to understand" book on Java programming. The concepts are broken into simple comprehensive parts detailing the function of each code of line.

3. Online Learning Platforms:

- "Java Programming for Complete Beginners" is an online course on platform Udemy. It covers Java Basics, Object-Oriented Programming, Java Collections, Generics, File Handling, etc.

- "Introduction to Java" is an online course provided by Coursera. This course provides a solid introduction to Java and includes hands-on-experience with Eclipse IDE.
- Courses provided by Codeacademy emphasizes on learning by doing, with immediate feedback in an in-browser text editor. These courses are structured to guide learners for specific roles or areas of programming.

4. Coding Practice Websites:

There are various websites on the internet to practice and improve our learning and programming skills. Sites like Hackerrank, Leetcode and Codeforces are such examples of coding practice websites. These sites helps us to learn by doing and get instant feedback on our code. There is also a section of competitive programming contests which helps us to relate our codes with other people's codes.

5. Community and Discussions Forums:

Platforms like Stack Overflow and Reddit are prominent Q&A sites for programmers, including a large and active community dedicated to Java. These Platforms are designed for specific technical questions and answers. There are tags which helps the users to find and discuss their concerned problems or questions.

6. My Preferred Resources:

I mainly prefer books to start my fundamentals by learning its origin, basic terminologies its applications in the field of computer science.

I use free courses provided online on YouTube to further strengthen my fundamentals.

I use Hackerrank to test myself by practicing the beginner-friendly problems to get feedback on my code.

At last, when I have a doubt, I visit sites like Quora or Reddit to resolve them.