Post-Read: Foundations of Java Programming

Self-Paced Reading:-

- **Guide for Java installation and running Java through the command line:**

  The article offers insights into utilizing Java with the command line interface and emphasizes the significance of the command line in Java development, providing greater control and flexibility. It covers essential command line tools and commands for compiling, running, and managing Java programs -

  https://www.codecademy.com/courses/java-for-programmers/articles/java-for-programmers-java-and-the-command-line

- **Introduction to IDE:**

  The article introduces the concept of an Integrated Development Environment (IDE) and highlights its role in simplifying programming tasks. IDEs consolidate various aspects of software development, such as code editing, building executables, and debugging, into a single application. Features like syntax highlighting and autocomplete enhance the code writing process by improving readability and reducing keystrokes. IDEs also automate the compilation and execution of code, making it easier for programmers. Additionally, IDEs provide debugging tools to identify and resolve errors in programs -

  https://www.codecademy.com/courses/learn-intermediate-java/articles/what-is-an-ide

- **Run a Java Program:**

  The article provides a guide on running complex Java programs and passing multiple arguments. It begins by revisiting foundational knowledge on Java and the command line, as well as the benefits of using an Integrated Development Environment (IDE). It explains how to run Java programs that consist of multiple files, demonstrating the compilation methods using various commands. Additionally, the article explains how to pass multiple arguments to the main function, both from the command line and through an input file using the Scanner class -

  https://www.codecademy.com/courses/learn-intermediate-java/articles/running-java-programs

- **Conditional Statements and Comparison Operators in Java:**

  The article provides a clear and concise explanation of conditional statements and comparison operators in Java. It covers the main topics related to conditionals, including if statements, else statements, and if-else statements. The examples provided help readers understand the syntax and usage of these conditional constructs. The article also introduces comparison operators, such as less than, greater than, equal to, and not equal to, explaining how they evaluate boolean expressions. Additionally, the logical operators AND, OR, and NOT are introduced, along with examples illustrating their behavior -

  https://www.codecademy.com/courses/java-for-programmers/articles/conditionals-java-for-programmers

- **Learn Java:**

  A comprehensive and interactive learning resource for individuals who want to learn Java programming -

  https://www.codecademy.com/learn/learn-java