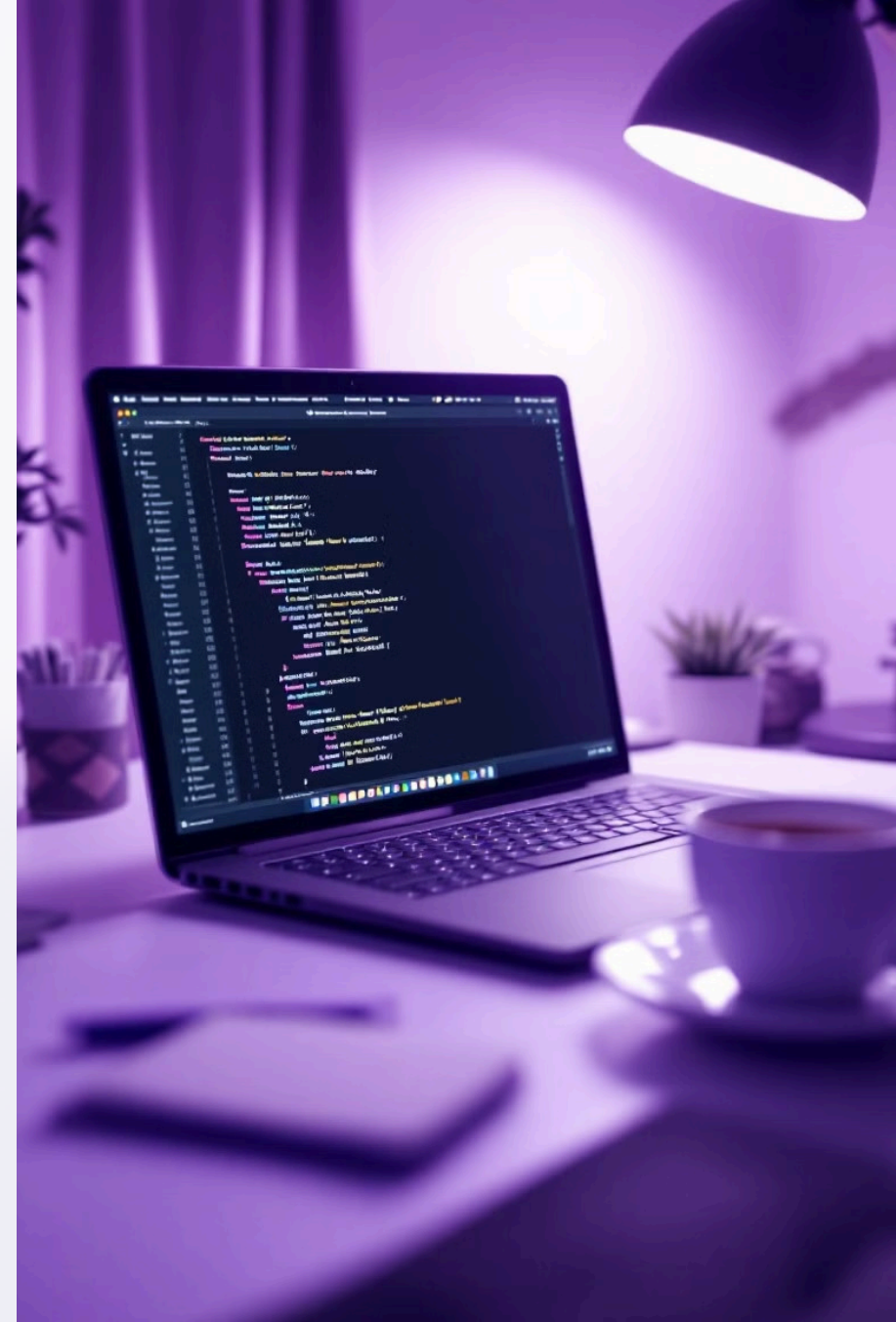


Compiling and Executing Java Programs via Command Prompt

This presentation provides a step-by-step guide on how to compile and execute Java programs using the command prompt. It covers essential aspects such as setting up your environment, writing Java code, compiling, executing, and troubleshooting common issues. Follow along to enhance your Java development skills!



Prerequisites: Setting Up Your Environment

Install the JDK

Download the Java Development Kit (JDK) from Oracle or OpenJDK. Ensure the download matches your operating system.

Verify Installation

Open the command prompt and run **java -version** and **javac -version** to confirm the JDK is correctly installed.

JAVA_HOME Variable

Set the **JAVA_HOME** environment variable to point to the JDK installation directory (e.g., **C:\Program Files\Java\jdk1.8.0_271**).

Update PATH Variable

Add **%JAVA_HOME%\bin** to the **PATH** environment variable to access Java commands from any directory.

Step 1: Writing Your Java Program

Open Text Editor

Use a simple text editor like Notepad (Windows) or VS Code to write your Java code.

Example Code

Create a simple "Hello, World!" program as a starting point. This will help verify the setup.

Save the File

Save the file with a **.java** extension, such as **HelloWorld.java**.

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