**Java**

**Lecture 1: Basic Introduction to Java and IntelliJ IDE**

**Introduction to Java**

* **Java** is a high-level, object-oriented programming language.
* **Platform-independent** due to the JVM (Java Virtual Machine).
* Suitable for building web, mobile, and desktop applications.

**Features of Java**

* Simple, Secure, Portable.
* Robust and High Performance.
* Supports multithreading and distributed computing.

**Popular IDE: IntelliJ IDEA**

* **Setup:** Download from [JetBrains](https://www.jetbrains.com/idea/).
* **Advantages:** Code completion, debugging tools, version control integration.

**Useful IntelliJ Commands**

* **Run Program:** Shift + F10
* **Comment Code:**
  + **Single Line:** Ctrl + /
  + **Multi-line:** Ctrl + Shift + /
* **Refactor Code:** Ctrl + Alt + Shift + T
* **Search:** Ctrl + Shift + F

**Quick Tricks**

* **Generate Main Method:** Type psvm + Tab.
* **Generate System.out.println:** Type sout + Tab.