

# Introduction to Java



# Today's Class

- Introduction – 15mins
- Course Introduction – 10 mins
- Setup, Tools, Settings – 10 mins
- Basics of Java – 15 mins
- Data Types – 10 mins
- Built in Classes – 10 mins
- FAQs – 15 mins



# Java Background:

## What is Java Technology?

- The Java technology is:
  - A programming language
  - A development environment
  - An application environment
  - A deployment environment



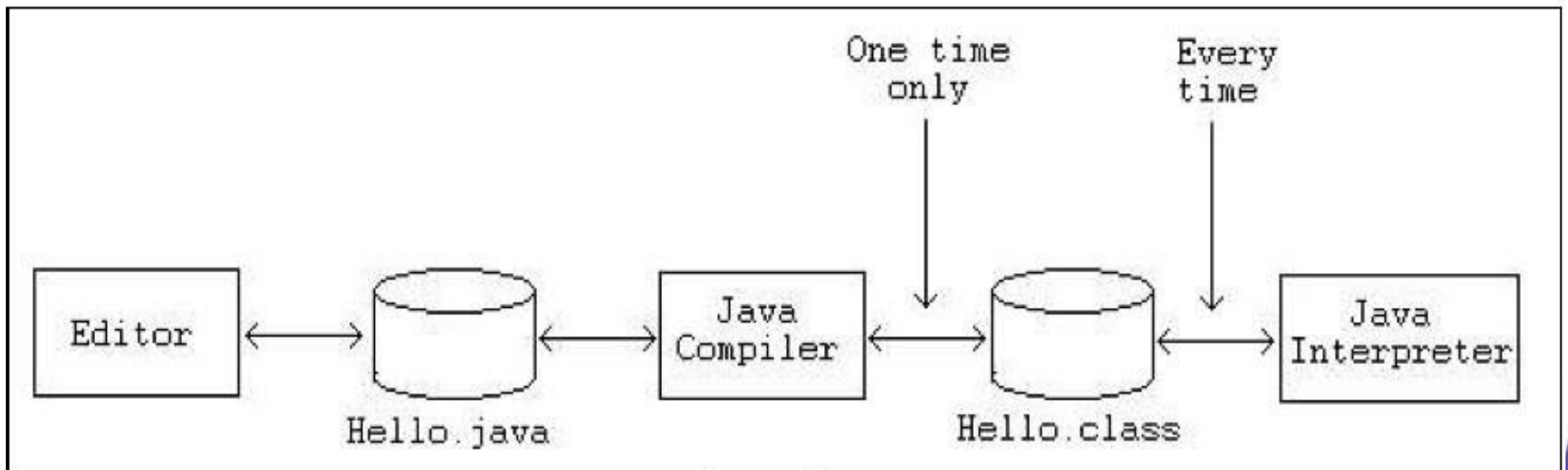
# Java Features

- Some features of Java:
  - The Java Virtual Machine
  - Garbage Collection
  - Code Security



# Phases of a Java Program

- The following figure describes the process of compiling and executing a Java program



# Phases of a Java Program

<b><i>Task</i></b>	<b><i>Tool to use</i></b>	<b><i>Output</i></b>
Write the program	Any text editor	File with .java extension
Compile the program	Java Compiler	File with .class extension (Java bytecodes)
Run the program	Java Interpreter	Program Output



# Summary

- Java Background
  - History
  - Java Technology
    - A programming language, development environment, application environment and deployment environment
  - Java Features
    - Java Virtual machine, garbage collection and code security
- Phases of a Java Program
  - Write, compile, run

