**Introduction to Java Programs**

* API
* JDK
* IDE
* Main Method
* JVM
* Source Code / Byte Code / Compiling
* Syntax Errors / Runtime Errors / Logic Errors

**Elementary Programs**

* Identifiers
* Variables
* Naming Conventions
* Data Types
* Literals

**Selections**

* If / If Else / Nested If-Else Statements
* Switch Statements
* Conditional Expressions
* Debugging

**Mathematical Functions, Characters & Strings**

* Mathematical Functions
* Random Method
* Character Data Type
* ASCII Code
* Casting
* String Methods
* Escape / Whitespace Characters
* Format Specifiers

**Loops**

* While Loop
* For Loop / For-Each Loop
* Do-While Loop
* Break / Continue

**Methods**

* Defining / Calling A Method
* Void Method
* Overloading Method
* Scope of Variables
* Abstraction / Encapsulation

**Single-Dimensions Array**

* Declaring /Accessing / Processing of Arrays
* Passing Arrays to Methods
* Returning an Array from A Method
* Selection Sort

**Two-Dimensions Array**

* Syntax
* Element Representation
* Initializer

**Objects & Classes**