## Instructor Information

**Instructor**
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**Office Location & Hours**
Tehran, 4 hours a week

## General Information

### Description

This reference will take you through simple and practical approaches while learning Java Programming language.

## Course Materials

### Required Materials

This Video tutorial has been prepared for the beginners to help them understand the basic to advanced concepts related to Java Programming language.

## Course Schedule

| Week | Topic |
| --- | --- |
| Week 1 | Introduction to Computers, the Internet and Java |
| Week 2 | Introduction to Java Applications; Input/Output and Operators |
| Week 3 | Introduction to Classes, Objects, Methods and Strings |
| Week 4 | Control Statements: Part 1; Assignment,++ and -- Operators |
| Week 5 | Control Statements: Part 2; Logical Operators |
| Week 6 | Methods: A Deeper Look |
| Week 7 | Arrays and ArrayLists |
| Week 8 | Classes and Objects: A Deeper Look |
| Week 9 | Object-Oriented Programming: Inheritance |
| Week 10 | Object-Oriented Programming:Polymorphism and Interfaces |
| Week 11 | Exception Handling: A Deeper Look |
| Week 12 | GUI Components |
| Week 13 | Graphics and Java 2D |
| Week 14 | Strings, Characters and Regular Expressions |
| Week 15 | Files, Streams and Object Serialization |
| Week 16 | Generic Collections |
| Week 17 | Java SE 8 Lambdas and Streams |
| Week 18 | Recusioin |

## References

Java How to Program - Deitel ans Deitel