



ADVANCED JAVA

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Advanced Java - Enables Secure and High Performance Software Development

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Target Audience:

- Software graduates inclined to begin an IT career.
  - Students, Professionals who having prior knowledge of Core Java programming.
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## Syllabus Content:

### Exception Handling:

- Introduction
- Pre Defined Exceptions
- Try-Catch-Finally
- Throws, throw
- User Defined Exception examples

### I/O Streams:

- Introduction
- Byte-oriented streams
- Character – oriented streams
- File

### Multithreading:

- Introduction
- Thread Creations
- Thread Life Cycle
- Life Cycle Methods
- Synchronization
- Wait() notify() notify all() methods

### SQL:

- Basics of SQL queries
- SQL Joins

### JDBC:

- Introduction
- JDBC Architecture
- Types of Drivers
- Statement

- Result Set
  - Read Only Result Set
  - Updatable Result Set
  - Forward Only Result Set
  - Scrollable Result Set
  - Prepared Statement

## Servlets:

### Introduction:

- Web application Architecture
- HTTP Protocol & HTTP Methods
- Web Server & Web Container
- Servlet Interface
- HTTP Servlet
- Servlet Life Cycle
- Servlet Config
- Servlet Context
- Servlet Communication

### Servlet-Browser Communication

- sendError
- setHeader
- sendRedirect

### Web-Component Communication

- Forward
- Include

**Note :- Every topic Real Time project implementation examples will be provided.**

**THANK YOU**

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