



## JAVA / J2EE Training

Duration: 50 Hours (33 Sessions)

Pre-requisites: Knowledge of Computer, Windows OS, MS Office.

### Session 1

- ✦ Introduction to Java
- ✦ Variables
- ✦ Operators
- ✦ Statements
- ✦ Access Modifiers

### Session 2

- ✦ Classes & Objects
- ✦ Constructors
- ✦ Interfaces

### Session 3

- ✦ OOPs Concepts
- ✓ Inheritance
- ✓ Polymorphism
- ✓ Encapsulation
- ✓ Abstraction

### Session 4

- ✦ Exception Handling
- ✓ Throws
- ✓ Throw
- ✓ Try, Catch and Finally

### Session 5

- ✦ Arrays
- ✦ Collections
- ✓ List
- ✓ Set
- ✓ Map
- ✓ LinkedList
- ✓ ArrayList
- ✓ HashSet
- ✓ TreeSet
- ✓ HashMap
- ✓ TreeMap
- ✓ Iterators
- ✓ ListIterators
- ✓ Collection

### Session 6

- ✦ String
- ✦ StringBuffer
- ✦ StringBuilder
- ✦ Calendar

### Session 7

- ✦ Java Generics

### Session 8

- ✦ Inner Classes
- ✦ Networking Concepts using different protocols

### Session 9

- ✦ Thread
- ✦ Multithreading

### Session 10

- ✦ Java I/O packages
- ✓ Reader
- ✓ Writer
- ✓ InputStream
- ✓ OutputStream
- ✓ printWriter
- ✓ printReader
- ✓ BufferedInputStream
- ✓ BufferOutputStream
- ✓ RandomAccessFile
- ✓ ByteArrayInputStream
- ✓ ByteArrayOutputStream
- ✓ ObjectInputStream
- ✓ ObjectOutputStream
- ✓ FileReader
- ✓ FileWriter

### Session 11

- ✦ Java Database Connectivity

### Session 12

- ✦ Serialization
- ✦ Internationalisation(i18N)

### Session 13

- ✦ Introduction to J2EE
- ✦ Servlet

### Session 14

- ✦ JSP
- ✓ ImplicitObject
- ✓ Bean initialization
- ✓ Bean method invoking
- ✓ Session Handling

### Session 15

- ✦ Hibernate

### Session 16

- ✦ Struts 1.2
- ✦ JSTL



**Session 17**

- ✦ Struts 2

**Session 19**

- ✦ Struts with Hibernate integration

**Session 20**

- ✦ Introduction to Spring
- ✦ Spring IOC

**Session 21**

- ✦ Spring AOP
- ✦ Spring Annotations

**Session 22**

- ✦ Spring Validation
- ✦ Spring Traction

**Session 23**

- ✦ Spring MVC

**Session 24**

- ✦ Spring with Struts Integration

**Session 25**

- ✦ Spring with Hibernate Integration

**Session 26**

- ✦ Introduction to EJB
- ✦ ACID properties
- ✦ Stateless Session Bean

**Session 27**

- ✦ Stateful Sesion Bean
- ✦ BMP Bean

For more information, call us on (+1) 385 237 9777  
Or email us at [info@mindsmapped.com](mailto:info@mindsmapped.com)

**Session 28**

- ✦ CMP Bean
- ✦ Message Driven Bean
- ✦ 1)Mini project Using Spring with EJB(Homework)
- ✦ 2)Mini Project Using Struts without EJB(Home work)

**Session 29**

- ✦ SOA Fundamentals
- ✦ MQ and JMS Concept

**Session 30**

- ✦ JMS -Demo by using HornetQ

**Session 31**

- ✦ WebServices
- ✦ SOAP Webservice
- ✦ Restful Webservice with sample

**Session 32**

- ✦ Introduction to ESB

**Session 33**

- ✦ Project work