

JAVA



JAVA DEVELOPER

About the Course

JAVA

Java course is designed for individuals seeking to become Java Developer. Whether you're beginner with no programming skills or someone looking to enhance their skills, this course will take you through the essentials of Java programming and progress to advanced concepts, tools and framework.

CORE JAVA

JAVA INTRODUCTION

- HISTORY
- FEATURES

JAVA BASICS & INTRODUCTION TO ECLIPSE

- POST INSTALL CONFIGURATION
- COMPILING AND EXECUTING
- VARIABLES AND ARRAYS
- CREATE PACKAGED CLASSES
- WRITING A SIMPLE PROGRAM
- DATA TYPES
- USING ECLIPSE
- ECLIPSE SHORTCUTS

OPERATORS & EXPRESSIONS

- ARITHMETIC OPERATORS
- BOOLEAN OPERATORS
- LOGICAL OPERATORS
- BINARY OPERATORS

CONTROL STATEMENTS

- BRANCHING STATEMENT
- ITERATIVE STATEMENT
- BREAK & CONTINUE ENHANCEMENTS
- WHILE
- FOR
- DO.. WHILE
- GOTO STATEMENT
- BREAK & CONTINUE STATEMENT

JAVA ORIENTED PROGRAMMING

- BASICS OF OOP
- FUNDAMENTALS OF CLASS & OBJECT
- NEW KEYWORD
- REFERENCE VARIABLE
- MEMBER METHODS OF A CLASS
- CONSTRUCTORS

- FINALIZE METHOD
- OVERLOADING MEMBER METHODS
- OVERLOADING CONSTRUCTORS
- PASSING & RETURNING OBJECTS WITH METHODS
- ACCESS CONTROL
- STATIC METHODS
- STATIC VARIABLE
- STATIC BLOCK
- USING FINAL KEYWORDS
- UNIT TESTING USING JUNIT-5

INHERITANCE

- BASIC OF INHERITANCE
- MEMBERS ACCESSIBILITY IN INHERITANCE
- USING SUPER KEYWORD
- MULTILEVEL INHERITANCE
- CONSTRUCTORS IN INHERITANCE
- METHOD OVERRIDING
- DYNAMIC METHOD DISPATCH
- ABSTRACT CLASSES
- PREVENTING OVERRIDING
- PREVENTING INHERITANCE

EXCEPTION HANDLING

- FUNDAMENTALS OF EXCEPTIONS
- TYPES OF EXCEPTIONS
- USING TRY AND CATCH KEYWORDS
- MULTIPLE CATCHES
- NESTING OF TRY BLOCKS
- USING THROW KEYWORD
- USING THROWS KEYWORD
- FINALLY BLOCK
- PREDEFINED EXCEPTIONS AND THEIR USAGE
- USER DEFINED EXCEPTIONS

INTERFACES

- PURPOSE OF INTERFACE
- DEFINING AN INTERFACE
- IMPLEMENTING INTERFACES
- INTERFACE REFERENCE VARIABLES
- INTERFACE WITH VARIABLES
- EXTENDING INTERFACES

MULTI THREADED PROGRAMMING

- BASIC OF THREADS
- JAVA THREADED MODEL
- THREADS USING RUNNABLE INTERFACES
- THREADS USING THREAD SUPERCLASS
- MULTIPLE THREADS
- THREAD PRIORITY VALUES
- SYNCHRONIZED METHOD
- SYNCHRONIZED BLOCKS

PREDEFINED LIBRARIES

- USING STRING CLASS
- USING JAVA.LANG PACKAGE
- WORKING WITH DATE & TIME
- UTILITY FRAMEWORK
- COLLECTION FRAMEWORK
- I/O FRAMEWORK

ADVANCED JAVA

JAVA DATABASE CONNECTIVITY (JDBC)

- OVERVIEW OF RDBMS
- INTRODUCTION TO CALL LEVEL INTERFACE(CLI)
- INTRODUCTION TO JDBC
- TYPES OF JDBC DRIVERS
- ESTABLISHING A JDBC CONNECTION
- USING STATEMENT
- USING PREPARED STATEMENT
- USING CALLABLE STATEMENT
- SCROLLABLE AND UPDATABLE RESULT SET
- INSERTING & FETCHING FROM BLOB COLUMNS
- MANAGING TRANSACTIONS IN JDBC
- NEW FEATURES INTRODUCED IN JDBC 3.0
- AUTO INCREMENT COLUMNS

EXTENSIBLE MARKUP LANGUAGE (XML)

- EXTENSIBLE MARKUP LANGUAGE (XML)
- INTRODUCTION TO XML
- DOCUMENT OBJECT MODEL (DOM) USING JAXP

- UNDERSTANDING DOM
- USING DOM IN JAVA
- STAX IN JAVA
- UNDERSTANDING STAX
- PROGRAMMING WITH STAX

COMMON GATEWAY INTERFACE

- INTRODUCTION TO CGI
- UNDERSTANDING ENVIRONMENT VARIABLES
- DISADVANTAGES AND LIMITATIONS OF CGI

JAVA SERVLETS

- SERVLET AS J2EE WEB COMPONENT
- SERVLET AS AN IMPROVED CGI
- SERVLET FUNDAMENTALS / API
- WHAT IS A WEB-CONTAINER
- SERVLET LIFE CYCLE / ARCHITECTURE
- HTTP GET AND POST REQUEST METHODS
- PROCESSING HTML FORMS
- WHAT IS NAME-VALUE PAIR
- CONTENT TYPES AND MIME
- CONFIGURATION OF WEB APPLICATION
- UNDERSTANDING THE DEPLOYMENT DESCRIPTOR (DD) / WEB.XML
- SPECIFYING THE WELCOME FILE LIST
- SERVLET URL PATTERN MAPPING
- INIT PARAMETERS
- STATE MANAGEMENT
- USING HTTP SESSION
- USING COOKIES
- USING APPLICATION

JAVA SERVER PAGES (JSP)

- JSP ARCHITECTURE
- JSP STANDARD / IMPLICIT OBJECTS
- REQUEST
- RESPONSE
- OUT
- CONFIG
- APPLICATION
- SESSION
- PAGE
- PAGE CONTEXT
- EXCEPTION
- JSP PAGE IMPLEMENTATION CLASS
- JSP BASICS & SYNTAX
- JSP DIRECTIVE TAGS
- PAGE DIRECTIVE
- INCLUDE DIRECTIVE

- TAGLIB DIRECTIVE
- JSP ACTION TAGS
- FORWARD ACTION TAG
- INCLUDE ACTION TAG
- JSP SCRIPT RELATED TAGS
- SCRIPTLET TAG
- EXPRESSION TAG
- DECLARATION TAG
- USING JAVA BEANS FROM JSP
- USEBEAN TAG
- SETPROPERTY TAG
- GETPROPERTY TAG
- JSP CUSTOM TAG LIBRARY
- JSP 2.0 TAG FILES
- JSP 2.0 SIMPLE TAG
- EMPTY TAG
- TAG WITH BODY CONTENT
- (JSP FRAGMENT)

JAVABEANS

- JAVABEAN ARCHITECTURE
- JAVABEAN CHARACTERISTICS
- PROVIDING PROPERTIES & METHODS

JSP EXPRESSION LANGUAGE (EL)

- SYNTAX
- USING DIFFERENT SCOPE OBJECTS
- CALLING FUNCTIONS FROM EL

JSP STANDARD TAG LIBRARY (JSTL)

- GENERAL PURPOSE ACTIONS
- CONDITIONAL ACTIONS
- ITERATOR ACTIONS

FILTERS IN WEB APPLICATION

- FILTER BASICS
- FILTER LIFECYCLE
- FILTER CHAINING
- FILTER EXAMPLE

WEB APPLICATION SECURITY

- INTRODUCTION
- DECLARATIVE SECURITY
- PROGRAMMATIC SECURITY
- ROLES
- AUTHENTICATION
- BASIC AUTHENTICATION
- DIGEST AUTHENTICATION
- FORM BASED AUTHENTICATION
- STANDARD LOGIN FORM

- SECURITY CONSTRAINTS
- WEB RESOURCE COLLECTION
- AUTHORIZATION CONSTRAINT

Live Project Implementation

LIVE CLASS BENEFITS

- Hybrid Classes (Offline/Online)
- Live class video access
- Master edited video for lifetime
- Interview preparation
- Online assessment
- Placement assistance
- Innozent certificate of completion post assessment

OUR TOP PLACEMENT PARTNERS



ABOUT INNOZANT

Innozant Infotech Pvt Ltd is most rapidly growing Hybrid Training Institute for Data Analytics , Data Science Digital Marketing and Web Development. We provide the best available tailor-made course content as per current industry needs ,which helps in enhancing the technical skills which are beneficial for all the job seekers. Whether you're a beginner or a professional seeking to upskill , Innzozant provides a supportive environment to help you unlock your full potential.

VISIT US

 C-54 3rd Floor, Sector - 2 Noida
Landmark - Priyagold Building

 706-506-9985

 www.innozant.com

 query@innzozant.com

OUR OTHER PROGRAMS

लक्ष्य - DATA SCIENCE BOOTCAMP
DIGITAL MARKETING PROFESSIONAL
WEB DESIGNING AND DEVELOPMENT
ORACLE DEVELOPER PROGRAM
JAVA, PYTHON
INDUSTRIAL TRAINING
CORPORATE TRAINING
VIDEO COURSE