



Advance Java



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About Us

Edustrom is an initiative of CSK Technologies OPC Pvt. Ltd, established in the year 2015 , headquartered at Delhi, The main activity of Edustrom is providing training on Information Technology, which is delivered to its audience all over the Country via Computer Based Training Programs, Onsite Training Programs and Company Owned learning centers. We are a fast growing group of Individual ,expertise in IT Training & Placement.

Our Aim

We aim to impart practical knowledge on Laravel to the budding technical workforce of the country. As we know that Designing and Development of Web Applications is the need of the day, and people with such skills are very much in demand. We moto to bridge the demand and supply gap of Professional C Programmers.

Achievements

- Trained more than 350 Students in Delhi only.
- Having Classroom Training Locations and Presence Across Delhi.
- In a short span of time we reached to more than 20 corporate clients across Delhi
- Conducted Training Programs for many Premier Institutes.

Course Content

➤ About Course

This course has been prepared for the beginners to help them understand the basic to advanced concepts related to Advanced Java Programming language. Before you start practicing various types of examples given in this reference, we assume that you are already aware about computer programs and computer programming languages.

| Syllabus

Basics of Servlet

Learning Objective: In this module you will learn about the usage of Advance Java

Topics:

- Servlet: What and Why?
- Basics of Web
- Servlet API
- Servlet Interface
- GenericServlet
- HttpServlet
- Servlet Life Cycle
- Working with Apache Tomcat Server
- Steps to create a servlet in Tomcat
- How servlet works?
- servlet in Myeclipse
- servlet in Eclipse
- servlet in Netbeans

ServletRequest

Topics:

- ServletRequest methods
- Registration example with DB

Servlet Collaboration

Topics:

- RequestDispatcher
- sendRedirect

ServletConfig

Topics:

- ServletConfig methods
- ServletConfig example

ServletContext

Topics:

- ServletContext methods
 - ServletContext example
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Attribute

Topics:

- How to set, get and remove example?

Session Tracking

Topics:

- Cookies
- Hidden Form Field
- URL Rewriting
- HttpSession

Event and Listener

Filter

Topics:

- Filter
- Authentication Filter
- FilterConfig
- Useful examples

ServletInputStream and ServletOutputStream

Annotation Servlet

Project Development

JSP

Basics of JSP

Topics:

- Life cycle of JSP
- JSP API
- JSP in Eclipse and other IDE's

Scripting elements

Topics:

- scriptlet tag
- expression tag
- declaration tag

9 Implicit Objects

Topics:

- out
- request
- response
- config
- application
- session
- pageContext
- page
- exception

Directive Elements

Topics:

- page directive
- include directive
- taglib directive

Exception Handling

Action Elements

Topics:

- jsp:forward
- jsp:include
- Bean class
- jsp:useBean
- jsp:setProperty & jsp:getProperty
- Displaying applet in JSP

Expression Language

MVC in JSP

JSTL

Custom tags

Topics:

- Custom Tag : What and Why?
- Custom Tag API?
- Custom Tag Example
- Attributes
- Iteration
- Custom URI

Project Development in JSP

JavaMail API

- Sending Email
- Sending email through Gmail server
- Receiving Email
- Sending HTML content

Design Pattern

Topics:

- Singleton
- DAO
- DTO
- MVC
- Front Controller
- Factory Method
etc.

JUnit

Topics:

- JUnit: What and Why?
 - Types of Testing
 - Annotations used in JUnit
 - Assert class
 - Test Cases
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Maven

Topics:

- Maven: What and Why?
- Ant Vs Maven
- How to install Maven?
- Maven Repository
- Understanding pom.xml
- Maven Example
- Maven Web App Example
- Maven using Eclipse

Basics of Struts2

Topics:

- Struts : What and Why?
- Model1 vs Model2
- Struts2 Features
- Steps to create Struts2 application
- Understanding Action class
- Understanding struts.xml file
- Struts2 in Eclipse IDE
- Struts2 in Myeclipse IDE

Core Components

Topics:

- Interceptors
- ValueStack
- ActionContext
- ActionInvocation
- OGNL

Struts 2 Architecture

Struts2 Action

Topics:

- Action Interface
 - ActionSupport class
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Struts2 Configuration

Topics:

- multi configuration
- multi namespace

Interceptors

Topics:

- Custom Interceptor : Life Cycle of Interceptor
- params interceptor
- execAndWait interceptor
- prepare interceptor
- modelDriven interceptor
- exception interceptor
- fileUpload interceptor

Struts 2 Validation

Topics:

- Custom Validation : workflow interceptor
- Input Validation : validation interceptor
- Ajax Validation : jsonValidation interceptor

Aware Interfaces

Topics:

- ServletActionContext
- SessionAware
- Login and Logout Application
- ServletContextAware

Struts2 with I18N

Zero Configuration

Topics:

- By convention
- By annotation

Struts2 with Tiles2

Hibernate with Struts2

Spring with Struts2

Project Development in Struts2

Working with IDE

IDE

Topics:

- Eclipse IDE
- Netbeans IDE
- Myeclipse IDE

Servers

- Apache Tomcat
- Glassfish Server
- JBoss Server
- Weblogic Server

EJB 3

Introduction to JavaEE

Topics:

- The Need for JavaEE.
- Overview on the JavaEE
- Architecture
 - 1 tier
 - 2 tier
 - 3 tier
- N tier
- JavaEE Key Standards

Introduction to EJB3

- The EJB Model
- Key Services of the Application Server

Developing Session Beans

Topics:

- Stateless Session Beans
- Stateful Session Beans
- Packaging
- Writing Clients

Using Dependency Injection

Topics:

- No More JNDI
- Injection of EJBContext

JMS

Topics:

- JMS Overview
- JMS Messaging Domains
- Example of JMS using Queue
- Example of JMS using Topic

Message Driven Beans

Persistence Introduction to JPA

Topics:

- Object Relational Mapping
- Mapping configurations
- Embedded Objects
- EJBQL

Web Technology

HTML 5

Topics:

- Introduction to HTML
- HTML Tags
- Creating Forms
- Creating tables
- Managing home page

CSS

Topics:

- Introduction to CSS
- Three ways to use CSS
- CSS Properties
- Designing website
- Working with Templates

Javascript

Topics:

- Introduction to Javascript
- Three ways to use Javascript
- Working with events
- Client-side Validation

JQuery

Topics:

- Introduction to JQuery
- Validation using JQuery
- JQuery Forms
- JQuery Examples

AJAX

Topics:

- Introduction to AJAX
 - Servlet and JSP with AJAX
 - Interacting with database
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Core Java Syllabus

Spring Syllabus

Hibernate Syllabus

➤ Our Training Approach

We are not limited to any number of classes or day to complete the whole course, so basically time duration depends on batch strength and their learning skills. However the average course duration is 2.5 months.

Training Features

- Course proceeds as per student learning skills and catching power.
- Course repeat facility for all students for FREE.
- Theory and Practical classes held with every session.
- Per class 1-2 hours session.
- Students will be given adequate time to revise and practice the concepts learned in class.
- This Training Program covers Presentations, Real life Case Studies, Extensive Live Practical Demonstrations. An Experienced Faculty with a minimum experience of 3 Years will be available to provide you training and in order to help you start a career in Web Development.
- In this training program, students will get Assignments & Practicals as homework which will help them to explore the already learned concepts & to guide them towards a path for research and development on each domain
- Focused on practical solutions to real-world development problems.

Why Edustrom ??

- We have been in the training sector for last 3 years
 - Fastest growing in Delhi for IT training and placement.
 - Course repeat facility for all students for FREE.
 - No Complain from students and companies so far.
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- We are honest with our training and placement commitment.
- We have our own IT Job portal.
- We have more than 55 IT Companies registered with us.
- And 250/350 around programmers have been placed by us.

Job Opportunities

- Web Developer
- Software Developer
- Online Application Engineer
- PHP/MySQL Coder
- Work as a Freelancer
- Mobile Application Developer

Course Fee

Amount: Rs.8000

Note: Students are required to bring their Laptop for Practical Classes.



Our Other Courses



Graphic Design



Web Design



My SQL



Laravel



Java

php

PHP



iOS



Digital Marketing

Contact Us



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