

# TRANSFORMING FROM FRESHERS TO IT WORKING PROFESSIONAL

SOFTWARE  
TRAINING WITH  
YESS INFOTECH



Yess InfoTech Pvt. Ltd.  
Transforming Career



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10+ years Accenture experience  
Author, Motivational speaker, Founder of Yess  
InfoTech



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- **Data Science**
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- **Java Full Stack**
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# Java Full Stack



## Core Java

### Basics of Java

Java – What, Where and Why?  
History and Features of Java  
Internals of Java Program  
Difference between JDK, JRE and JVM  
Internal Details of JVM  
Variable and Data Type  
Unicode System  
Naming Convention

### OOPS Concepts

Advantage of OOPs  
Object and Class  
Inheritance (IS-A)  
Aggregation  
polymorphism  
Method Overloading  
Constructor Overloading  
Method Overriding  
Abstraction  
Abstract class  
interface  
static variable, method and block  
this keyword  
super keyword  
final keyword  
static keyword  
Encapsulation  
static and Dynamic binding  
Package and Access Modifiers  
Object class  
Object Cloning

### Array

Introduction to array  
Array method  
Array object

### String Handling

String : What and Why?  
Immutable String  
Methods of String class

StringBuffer class  
Methods of StringBuffer class  
StringBuilder class  
Methods of StringBuilder class  
StringJoiner Class  
Methods of String Joiner  
toString method

### Exception Handling

Exception Handling : What and Why?  
Types of Exception  
Checked Exception  
Unchecked Exception  
try and catch block  
Multiple catch block  
finally block  
throw keyword  
throws keyword  
Custom Exception

### Input and output

File Output Stream & File Input Stream  
File Writer & File Reader  
Print Stream class  
Print Writer class  
Scanner Class

### Serialization

Serialization  
Deserialization

### Collection

Collection Framework  
List interface  
Array List class  
Linked List class  
Set Interface  
HashSet class  
Linked HashSet class  
TreeSet class  
Map interface  
HashMap class  
Linked HashMap class  
TreeMap class  
Queue  
Generics

## Multithreading

Multithreading : What and Why?  
Life Cycle of a Thread  
Creating Thread  
Thread Scheduler  
Sleeping a thread  
Joining a thread  
Thread Priority  
Daemon Thread  
Performing multiple task by multiple thread  
Runnable class

## Synchronization

Synchronization : What and Why?  
synchronized method  
synchronized block

## Advanced Java

### JDBC

Basic SQL queries  
JDBC API  
Steps to connect to the database  
Connectivity with MySQL  
JDBC Drivers  
DriverManager  
Connection interface  
ResultSet interface  
Statement interface  
Prepared Statement

## Servlet

### Basics of Servlet

Servlet: What and Why?  
Basics of Web  
Servlet API  
Generic Servlet  
Http Servlet  
Servlet Life Cycle  
Working with Apache Tomcat Server  
Servlet with Mapping XML File



# Java Full Stack



## Servlet Request

Servlet Request methods  
Servlet Response methods

## Servlet Collaboration

Request Dispatcher  
send Redirect

## Servlet Config

Servlet Config methods  
Servlet Config example

## Servlet Context

Servlet Context methods  
Servlet Context example

## Session Tracking

Cookies  
Hidden Form Field  
URL Rewriting  
Http Session

## Servlet with DB

## Registration example with DB

## Filter

Filter  
lifecycle of Filter  
Methods of Filter  
Authentication Filter  
Filter Config  
Useful examples

## JSP

## Basics of JSP

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

## Scripting elements

scriptlet tag  
expression tag  
declaration tag

## 9 Implicit Objects

out  
request  
response  
config  
application  
session  
page Context  
page  
exception

## Directive Elements

page directive  
include directive  
taglib directive

## Action Elements

jsp:forward  
jsp:include  
Bean class  
jsp:useBean  
jsp:setProperty &  
jsp:getProperty

## Expression Language MVC in JSP JSTL

## Maven

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

## HTML5:

Introduction and  
Advantages of HTML5  
Header Body Footer  
Form Elements And  
Attributes New Input  
Types Text and Font  
Table Image Audio and  
Source tags Video and  
Source tags

## CSS3 :

Introduction to CSS3  
Selectors  
CSS3 Borders  
CSS3 Backgrounds  
CSS3 Text Effects  
Css NavBar  
Css Operations

## JavaScript

JS Introduction  
JS Statements  
JS Syntax  
JS Comments  
JS Variables  
JS Operators  
JS Data Types  
JS Functions  
JS Events  
JS Dates  
JS Conditions  
statements



## React Framework

- Introduction to React
- Installation
- Industry need of React
- Creating react app
- Application of React
- Advantages- Disadvantages of React
- Introduction to Class component
- Introduction to Functional Component
- Rendering Expressions
- Lists
- Methods
- Images
- Introduction to props
- Introduction to State
- Props vs state
- Parent-to-child communication
- Lifecycle methods of Class Component
- Mounting
- Updating
- Unmounting
- Forms development in React
- Form Validation Validations
- Add CSS / Bootstrap to React
- Navbar
- Form
- Table
- 
- **React Hooks**
- 
- useState()
- useEffect()
- useContext()
- useRef()
- useMemo()
- useCallback()
- useReducer()
- 
- **React Router**
- 
- BrowserRouter
- NavLink
- Route
- Switch
- Redirect
- Link
- Dynamic Routes

### Salient features:

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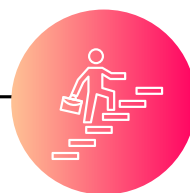
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