

## Full Stack Development In Java

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1. **Core Java**(Basics of Java, --J2SE Datatype, Methods, Package, Oops, Exception, MultiThreading, keyword...)--20 days--**build project**
2. **Advance Java-J2EE** (web technologies){ Html,css, Javascript }{ Servlets, Jdbc, JSP }--**project**
3. **Sql** ( Database){ MySql , OracleDB , My Sql server 2008 }--**project**
4. Dos Commands
5. How to Host the project to Server from client machine{ End-End App Building }{ Domain , Hosting, SEO }

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**Program** : Set of instructions to perform an operation in order to obtain a **specific** result.

**Programming Language** : communication between human and system, PL has a **translator** and **library files**.

**Software**: it's a non real world entity which we cannot feel or sense but performs some operation gives result. { **which gives its service** }

Jave : **Software / Platform(OS)**

**Platform** : an environment which allowing us to do something. {Operating System}

**Translator** : one language to other language.

**Library Files:**

**Syntax** : Rules and Regulations to follow to make our expected result come.  
Alphabets , parts of speech , preposition , so many

Machine Language : 0/1 (binary) <---**Translator**---->Human(English) {To perform operation and obtain result}.

Library : place of knowledge

It a collection of package.

Package : collection of files/classes

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For every concept we teach : **Purpose , Advantage , Dis-advantage , Implementation()**.

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## **HTML CONTENTS: HTML - Hyper Text Markup Language |**

HTML – OVERVIEW

BASIC TAGS - html , body, head , h1-h6

ELEMENTS - Inline , Block

ATTRIBUTES

FORMATTING

PHRASE TAGS

META TAGS

COMMENTS

IMAGES

TABLES

LISTS

LINKS

IFRAMES

BLOCKS

BACKGROUNDS

COLORS

FONTS

FORMS

MARQUEES

HTML – HEADER

HTML – STYLE SHEET

HTML JAVASCRIPT

HTML – LAYOUTS

HTML – TAG REFERENCE

## **JAVA SCRIPT CONTENTS: Mordern JS - TypeScript -- ECMA Script**

JAVASCRIPT – Overview.

JAVASCRIPT – Syntax

Enabling

– Placement

Variables

Operators

– If-Else .

– Switch-Case .

While Loop

For Loop

– For-in Loop

Loop Control..

Functions  
Events  
Cookies  
Page Redirect  
Dialog Box .  
Void Keyword.  
Page Printing  
Objects  
Number  
Boolean  
String  
Date  
Math  
RegExp

## **CORE JAVA**

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Java is a general-purpose programming language that is class-based, object-oriented.

Introduction To Java

Difference B/w C ,C++, Java

Advantages of Java

History

Features

Setup/Configuration/IDE

Internal Flow of a Program

Data Types/Operators/Variables/Methods/Keywords

Access Specifiers

Structure Of Java

Control Statements

Object and Class

Constructor

OOPS Concepts

Interface

Static, this, final, super Keywords and their purpose/usage.

Array

String Class

Wrapper Class

Package

Multi-Threading

Exception handling  
Collections  
Generics  
Events / AWT / Swing/ Applet

## **ADVANCE JAVA**

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To build a web application front to back.  
JDBC Connection  
Servlets  
JSP  
Basics of HTML and CSS and JS  
Introduction to SQL  
SQL Statements  
Building a full stack application