**Day-01**

**17-02-2025**

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**Course: Java Fullstack**

**What is Fullstack?**

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-> it is the process of end-to-end application development.

**What is application?**

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-> Software need not required the platform to use.

Whereas the application needs a platform to use it.

Here: platform is a software.

Ex: WhatsApp can run on either android or IOS platforms.

Notepad can use with windows platform.

**What is software?**

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-> Each software majorly designed for multi-tasking (multiple functionality)

-> Each functionality is hidden with one program.

-> Hence to achieve multitask we need more than one program.

-> Software is the collection of programs for multitasking.

**What is program?**

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-> Program is a collection of instructions.

**Application Architecture:**

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-> has three layers:

 1) Layer-1

 2) Layer-2

 3) Layer-3

**Layer-1:**

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 -> UI (User Interface) Layer

 -> Also called as "Front-end layer"

 -> When a common user (end-user) want to interact with application, we need Layer-1.

 -> Required technologies:

 HTML, CSS, JavaScript, Bootstrap, React/Angular/Node etc.

**Layer-3:**

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 -> Backend layer

 -> To develop the business logic for the application, we need layer-3.

 -> Technologies:

 Java/Python/C++/C#/PHP etc.

 -> Storage:

 Database: Oracle, MySQL

 -> SQL

**Layer-2:**

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 -> Layer-2 is always in between layer-1 and layer-3

 -> used to process the user request and proceed with responses.

 -> Technologies:

 Java/C#/C++/Python etc.

**Other Technologies:**

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 Frameworks:

 Front-end: React/Angular

 Backend: Spring/Spring boot

 Cloud technologies:

 AWS and Devops tools

Duration: 6 to 8 months

Course into three modules:

 Module-1:

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 Core java

 Database

 Module-2:

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 Advanced Java

 UI

 Module-3:

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 Frameworks

 Cloud Tools

 Mini project

 Major project

fee: 30k

Facilities:

 Live classes + Recorded sessions

 Live class notes

 Handed Material

 Dedicated Lab (Offline)

 Placement Assistance