

MVC: Model View Controller

1. **View** - Frontend
 - 1.1. Html5
 - 1.2. Css3
 - 1.3. Js
 - 1.4. Bootstrap
 - 1.5. JQuery
 - 1.6. Angular
 - 1.7. React js
2. **Controller** - Backend
 - 2.1. Php
 - 2.2. Java
 - 2.2.1. Core java
 - 2.2.2. Advanced java
 - 2.2.3. Spring Boot
 - 2.3. Python
 - 2.4. .net
 - 2.5. c#
 - 2.6. R
3. **Model** - Database Connectivity
 - 3.1. Mysql
 - 3.2. Postgre

SDLC - Software Development Life Cycle

1. Requirement gathering & Requirement Analysis - User Stories
 - 1.1. User Requirement Specification
 - 1.2. Customer Requirement Specification
2. Design - Architects
 - 2.1. High level Design
 - 2.2. Low level Design
3. Development - Java, Python, R - White box testing
4. Testing
5. Deployment
6. Maintenance

Java: Language

Computer - binary Language (1,0)

Int age = 23; - keyword identifier = value;

1. Compilers - File
2. Interpreter - Line to Line

C, C++ - High level Languages - Compilers

Java, Python - Compilers & Interpreters

Js - interpreters

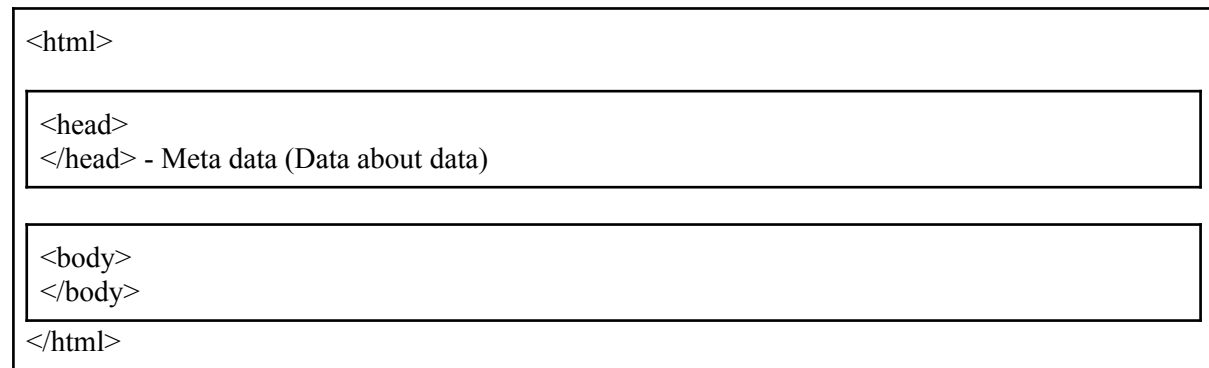
HTML5: Hyper Text Markup Language

Hyper Text - Text Within a Text / Text about a text

Syntax: <h1>HELLO</h1>

- <h1> - Open Tag
- HELLO - Content
- </h1> - Close Tag
- H1 - Element

<!DOCTYPE HTML>



Setup:

- Editor - Notepad, Notepad++, IDE (VSCode, Sublime text)
- Browser

VSCode download → System Installer

Index.html

Shift + 1 (Enter)

Extensions: Line Server → Ritwick Dey
Go Live

```
<h1>---</h1>
<h2>---</h2>
<h3>---</h3>
-----
-----
<h6>---</h6>
<h7>---</h7>
```

Lorem5 (Enter)

Right click → Open with Live server

```
<p>-----</p>
```

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```

- Src - Property name
- — - Property Value

Create Folder img

- Absolute path position (root) - From Google
- Shortcut path position (Relative) - img/1.jpg

Assignment:

AP Districts → 5

Each page for each district → Description → Paragraph