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EXCELLENCE TO EMPLOYMENT

Introduction to HTML

What is HTML?

- **HTML = HyperText Markup Language**
- **Standard language to structure web pages**
- **Defines elements like headings, paragraphs, links, images**
- **Every website you visit uses HTML at the base**
- 📍 Example: Think of a **newspaper** → headlines, images, paragraphs → HTML organizes web content similarly

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Slide 4: Structure of an HTML Document

```
firstpage.html > html
1  <!DOCTYPE html>
2  <html>
3    <head>
4      <title>My First Page</title>
5    </head>
6    <body>
7      <h1>Hello, World!</h1>
8      <p>This is my first webpage.</p>
9    </body>
10 </html>
```

<!DOCTYPE html> → Defines HTML5

<html> → Root tag

<head> → Title, metadata, CSS/JS links

<body> → Visible content

Basic HTML Tags

- **Headings:** <h1> to <h6>

- **Paragraphs:** <p>
- **Line break:**
- **Horizontal rule:** <hr>
- **Formatting:** <b>, <i>, <u>, ,

Lists in HTML

Ordered List (Numbers):

```html
<ol>
  <li>First</li>
  <li>Second</li>
</ol>
```

Unordered List (Bullets):

```html
<ul>
  <li>Apple</li>
  <li>Banana</li>
</ul>
```

Links & Images

Hyperlink Example:

```html
<a href="https://google.com">Visit Google</a>
```

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Image Example:

```html
<img src="image.jpg" alt="Description">
```

HTML Tables

```html
<table border="1">
  <tr>
    <th>Name</th>
    <th>Age</th>
  </tr>
  <tr>
    <td>Yash</td>
    <td>21</td>
  </tr>
</table>
```

HTML Forms

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firstpage.html > ...

```html
<form>
  <label>Name:</label>
  <input type="text"><br><br>

  <label>Password:</label>
  <input type="password"><br><br>

  <input type="submit" value="Login">
</form>
```

Activity – Personal Profile Page

👉 Create a webpage with:

- Your **name** in <h1>
- A **paragraph** about yourself
- An **image** (online link or photo)
- A **list** of hobbies
- A **table** of education details
- A **form** for feedback

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