

This code is a combination of Angular template syntax, CSS styling, and HTML structure. Here's a detailed breakdown of the components and functionality:

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## Code Sections Explanation

### Font Awesome CDN and CSS

- **Font Awesome CDN:**  
A link to the Font Awesome stylesheet to use its icon library (like fa-plus, fa-minus).
  - **CSS Style - .center-align:**  
Centers text for any element that applies the center-align class.
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### Angular Template Syntax

#### 1. \*ngFor Directive for Iterating Elements

- The first \*ngFor iterates through an array [10, 20, 30, 40, 50].
- Variables:
  - i = index: Gives the index of the current item.
  - f = first: true if the current element is the first in the list.
  - l = last: true if the current element is the last in the list.
  - e = even: true if the current index is even.
  - o = odd: true if the current index is odd.
- Displays values using interpolation: {{x}}...{{i}}...{{f}}...{{l}}...{{e}}...{{o}}.

#### 2. Dynamic Styling with Fruits List

- Another \*ngFor iterates through fruits array.
  - **Dynamic Classes (ngClass):**
    - first-item: Applied if the element is the first.
    - last-item: Applied if the element is the last.
    - even-item: Applied for even-indexed elements.
    - odd-item: Applied for odd-indexed elements.
  - **Conditionally Rendered Content:**
    - Displays (First Item) if it's the first.
    - Displays (Last Item) if it's the last.
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### 3. Dynamic Styling with ngStyle

- **Text Styling Example:**

- Hello: Always styled with red color.
  - Coforge: Color depends on the value of title. If title === 'first', the color is green; otherwise, it's red.
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### 4. Dynamic Element Rendering with ngSwitch

- For each number in [10, 20, 30, 40, 50], it applies:
    - A specific style based on ngSwitchCase:
      - 10 → red
      - 20 → green
      - 30 → blue
      - 40 → pink
    - Default (ngSwitchDefault) → yellow.
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### 5. Class Binding Example

- Adds the text-success class (usually used to style text in green) to the <h1> element containing "Welcome".
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## Counter Buttons

- Three buttons allow interaction with a num variable:
    - **Plus Button (fa-plus):** Increases num by 1 on double-click (dblclick event).
    - **Minus Button (fa-minus):** Decreases num by 1 on double-click.
    - **Middle Button:** Displays the current value of num.
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## Login Fieldset

- A fieldset with two inputs:
  - **Username Input (#uname):** Collects the username.
  - **Password Input (#upwd):** Collects the password.
- **Login Button:**  
On click, invokes the clickMe() method with the values of uname and upwd.

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## Key Angular Concepts

1. **Structural Directives (\*ngFor, \*ngIf, \*ngSwitch):**
  - Allow control over DOM rendering based on data or conditions.
2. **Binding:**
  - **Interpolation ({{}}):** Displays dynamic values.
  - **Property Binding ([ngStyle], [ngClass]):** Dynamically applies styles and classes.
3. **Event Binding ((event)):**
  - Executes actions on specific user events (e.g., click, dblclick).

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## Purpose

This code serves as a demo of Angular's core capabilities for:

- Iterating over lists (\*ngFor).
- Conditional rendering (\*ngIf, \*ngSwitch).
- Dynamic class and style binding ([ngClass], [ngStyle]).
- User interaction with events (click, dblclick).
- Basic form handling for login input.