Notes for mock of iframe tag

- The <iframe> tag is used to embed another HTML page or website inside the current webpage.
- By using this, we can show external websites, PDFs, videos, maps, etc., on our website.
- Basic syntax: <iframe src="URL" width="..." height="..."> </iframe>
- Important attributes:
    - **src:** URL of the webpage to embed
    - **width / height:** size of the iframe
    - **frameborder:** 0 or 1 (to show/hide border)
    - **allowfullscreen:** allows fullscreen content (like videos)
    - **loading="lazy":** improves performance by delaying load
    - **title:** improves accessibility (important for screen readers)
    - **name:** gives a name to iframe (used with target)
    - **sandbox:** adds extra security restrictions on iframe content
- Some commercial websites like Google, YouTube, Facebook, etc., can't be embedded because they block it using security headers like `X-Frame-Options` or `Content-Security-Policy`.
- To overcome this block, we cannot force embedding. CORS (Cross-Origin Resource Sharing) helps in some API-level cases, but not for embedding full websites.
- Use `sandbox` attribute to restrict iframe content (e.g., block scripts or forms).
- Use `loading="lazy"` to delay iframe loading until it comes into view (better performance).
- Iframes can be used to embed YouTube videos, Google Maps, code editors, live previews, etc.
- Security Tip: Don't embed untrusted sources in iframe without sandbox — it can cause clickjacking or malicious behavior.