

#### SCENERIO 1: FRONTEND DEVELOPMENT ANSWERS.

1. Bootstrap. I will choose it because it's made to simplify the responsiveness of websites, it's a compilation of html, css and js.
2. HTML and JavaScript
3. HTML

#### SCENERIO 2: WEB PAGE RENDERING

1. Check the DNS server settings
2. Clear the browser cache
3. Establishing a TCP connection
4. The server processes the request and sends an HTTP response.

#### SCENERIO 3: HTTP PROTOCOL

1. Fetches resources such as HTML documents.
2. HTTP
3. HTTPS

#### SCENERIO 4: STATIC & DYNAMIC WEBSITE

1. Dynamic website using JavaScript and databases.
2. Displays the same content to all users.
3. A social media platform like Facebook.
4. Python

#### SCENERIO 5: CLIENT-SERVER ARCHITECTURE

1. Client processes data, server displays it.
2. To provide data and services requested by the client.
3. Server
4. Any device connected to a network

#### SCENERIO 6: WEB BROWSER FUNCTIONALITY

1. Translates domain names to IP addresses.
2. Performs a DNS lookup.
3. By performing a DNS lookup.
4. The browser processes and renders the content.

#### SCENERIO 7: HTTP REQUEST HANDLING

1. Check for high server load.
2. Reducing the size of HTTP responses.
3. Minimizing HTTP requests by combining files.
4. By storing copies of frequently accessed resources

#### SCENERIO 8: EVOLUTION OF HTML

1. New semantic elements and multimedia support
2. To structure web page content.
3. HTML5
4. To control the layout, style, and appearance of web pages.

#### SCENERIO 9: FRONTEND FRAMEWORKS

1. React.js
2. Bootstrap
3. JQuery
4. React.js

#### SCENERIO 10: BROWSER CACHE

1. Storing copies of frequently accessed resources locally.
2. Reduces server load and speeds up page load times.
3. Cache-Control
4. A frequently accessed static blog page.