

1. HTML (HyperText Markup Language):

- Structure of web pages using tags like <div>, <p>, <a>.
- Semantic elements: <header>, <footer>, <article>.

2. CSS (Cascading Style Sheets):

- Styles web pages: colors, layout, fonts.
- Selectors, specificity, and box model.

3. JavaScript:

- Adds interactivity to web pages.
- Variables, functions, events, DOM manipulation.

4. Responsive Design:

- Mobile-first, media queries, fluid grids.
- Flexbox and CSS Grid layout systems.

5. Frontend Frameworks:

- React: Component-based, JSX, virtual DOM.
- Angular/Vue basics.

6. Backend Development:

- Node.js: JavaScript runtime.
- Express.js: Framework for building APIs.

7. Databases and RESTful APIs:

- Use of MongoDB or MySQL.
- REST principles: GET, POST, PUT, DELETE.
- JSON for data exchange.

8. Common HTML Tags:

- <form>, <input>, <button>, <label>, <select>
- <table>, <thead>, <tbody>, <tr>, <td>

9. HTTP Status Codes:

- 200 OK – Success
- 201 Created – Resource created
- 400 Bad Request – Invalid input
- 401 Unauthorized – Auth required
- 404 Not Found – Resource missing
- 500 Internal Server Error – Server crash

10. Useful JavaScript Snippets:

- `document.getElementById("id")`
- `addEventListener("click", function)`
- `fetch("url").then(response => response.json())`