

Bootstrap Interview Questions and Answers (1–50)

1. What is Bootstrap?

Answer: Bootstrap is a popular open-source front-end framework used to build responsive, mobile-first websites using HTML, CSS, and JavaScript.

2. What is the latest version of Bootstrap?

Answer: As of now, it's **Bootstrap 5.x**.

3. What are the key features of Bootstrap?

Answer: Responsive design, pre-defined components, grid system, utility classes, custom themes.

4. What is the Bootstrap grid system?

Answer: A 12-column responsive layout system based on flexbox.

5. How do you include Bootstrap in a project?

Answer: Via CDN or by downloading the files locally.

6. What is a container in Bootstrap?

Answer: A wrapper for layout content. Use `.container` (fixed) or `.container-fluid` (full width).

7. What is the difference between `.container` and `.container-fluid`?

Answer: `.container` has a fixed width; `.container-fluid` spans full width.

8. What are Bootstrap breakpoints?

Answer: Predefined screen widths: `xs`, `sm`, `md`, `lg`, `xl`, `xxl`.

9. How do you create a row in Bootstrap?

Answer: Using the `.row` class inside a container.

10. How do you define columns in Bootstrap?

Answer: Using `.col`, `.col-md-6`, `.col-lg-4`, etc.

11. What does `.col-md-6` mean?

Answer: The column will take 6/12 (50%) width on medium devices and up.

12. How do you align items horizontally in a row?

Answer: Use flexbox utilities like `justify-content-start`, `center`, `end`, etc.

13. What is a Bootstrap card?

Answer: A flexible content container with options like header, footer, image, and body.

14. What is the purpose of the `.btn` class?

Answer: It styles an element as a Bootstrap button.

15. What are contextual button classes?

Answer: `.btn-primary`, `.btn-secondary`, `.btn-success`, `.btn-danger`, etc.

16. How to create a responsive image in Bootstrap?

Answer: Add the `.img-fluid` class.

17. What is a Jumbotron in Bootstrap 4?

Answer: A large box for calling extra attention to content; deprecated in Bootstrap 5.

18. What is the replacement for Jumbotron in Bootstrap 5?

Answer: Use utilities or custom components with `.display-` and padding/margins.

19. What are badges in Bootstrap?

Answer: Small count or label elements, added using `.badge`.

20. How do you use tooltips in Bootstrap?

Answer: Add `data-bs-toggle="tooltip"` and initialize with JavaScript.

21. What are modals in Bootstrap?

Answer: Popup windows for user interaction.

22. How to trigger a modal?

Answer: Use `data-bs-toggle="modal"` and `data-bs-target="#modalId"`.

23. What is a navbar in Bootstrap?

Answer: A responsive navigation bar using the `.navbar` class.

24. How to make navbar responsive?

Answer: Use `.navbar-expand-md` and `.collapse` classes.

25. How do you use Bootstrap icons?

Answer: Bootstrap 5 has its own icon library (`bootstrap-icons`).

26. What is a dropdown in Bootstrap?

Answer: A menu that toggles on button click using `.dropdown`.

27. How do you enable Bootstrap JavaScript components?

Answer: Include Bootstrap's JS bundle or use individual modules via CDN or local files.

28. What is the utility class in Bootstrap?

Answer: Predefined classes for spacing, colors, positioning, display, etc.

29. How to apply margin and padding using Bootstrap?

Answer: Use classes like `m-2`, `p-3`, `mt-4`, `px-5`, etc.

30. What does `d-flex` do?

Answer: Makes the element a flex container.

31. What is `order` class in Bootstrap?

Answer: Changes order of flex items using `order-1`, `order-2`, etc.

32. What are responsive display classes?

Answer: Control visibility: `d-none`, `d-sm-block`, `d-md-none`, etc.

33. What is the use of `.text-center`, `.text-start`, `.text-end`?

Answer: Aligns text accordingly.

34. How do you vertically align items?

Answer: Use `align-items-center`, `align-self-start`, etc.

35. How to create a responsive table?

Answer: Add `.table-responsive` wrapper to `.table`.

36. What is `carousel` in Bootstrap?

Answer: A slideshow component for cycling through images or content.

37. What is the use of `.form-control` class?

Answer: Styles inputs, selects, and textareas uniformly.

38. How do you disable a button in Bootstrap?

Answer: Use the `disabled` attribute or class.

39. What is the `.alert` class?

Answer: Creates dismissible alert messages like success, error, warning.

40. What is `.spinner-border`?

Answer: Displays a loading spinner.

41. How do you add shadows?

Answer: Use `.shadow`, `.shadow-sm`, `.shadow-lg`.

42. What does `.position-relative` and `.position-absolute` do?

Answer: Sets element's position context for layout control.

43. How to make a fixed header?

Answer: Add `.fixed-top` class to your navbar or header.

44. What is `.w-100`, `.h-100`?

Answer: Sets width or height to 100%.

45. How to center a div using Bootstrap?

Answer: Use `d-flex justify-content-center align-items-center`.

46. What is `g-0`, `g-1`, etc. in Bootstrap?

Answer: Sets gutter spacing between columns.

47. What is Bootstrap Reboot?

Answer: A CSS reset included to standardize browser styles.

48. What is the `.visually-hidden` class?

Answer: Hides content visually but keeps it accessible for screen readers.

49. What is the `.ratio` class in Bootstrap 5?

Answer: Maintains aspect ratios for media elements (e.g., 16:9).

50. Can Bootstrap be customized?

Answer: Yes, using SASS variables and Bootstrap's source files.