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Exp - 2

Q1 what is Bootstrap Grid System?

Ans The Bootstrap Grid System is a flexible layout system based on a 12-column structure. It divides the page into rows and columns, allowing content to be arranged responsively. The grid adjusts automatically based on screen size using predefined breakpoints (xs, sm, md, lg, xl, xxl)

Example Code :

```
<div class = "col-md-6" > </div>
```

Q2 what is Bootstrap . containers and . containers - fluid class?

Ans 1) . Container : Creates a fixed width container that adjusts its width based on the screen size. It has predefined responsive breakpoints for consistent layouts.

2) . Container - fluid : Creates a full width container that entire width of the current screen, regardless of the screen size.

Q 3 What is a Responsive Website?

Ans A responsive website adapts its layout and design to fit different screen size and devices, ensuring a seamless user experience. Key features include flexible grid, media queries and scalable images that work on desktops, tablets and phones.

Q 4 How does Bootstrap help to Design a Responsive website?

Ans Bootstrap simplifies responsive design with its:

- 1 Grid System :- The 12 column grid adjusts layout for various screen sizes using Breakpoints.
- 2 Predefined Classes :- Utility Classes like d-flex, w-100 and text-center allow quick styling adjustments.
- 3 Mobile First design :- Bootstrap components and utilities prioritize mobile friendly layouts.
- 4 Responsive Components :- Prebuilt elements like navigations bars, modals, and carousels adapt automatically to different devices.