Bootstrap

Bootstrap is a popular framework of front-end which is used to design responsive website. It makes website efficiently viewed in mobile device. It has a collection of predefined components made of HTML, CSS and JS and directly design components like button, form, navigation bar, etc. It saves time of developer because removing need to write repetitive CSS and help to maintain the content responsive across pages.

Bootstrap follow the rule of 12-column responsive grid system, which makes easy for developer to understand and design the layout based on size of screen (mobile to desktop). It is open source and updated regularly. Using it developer can design and develop a website using few lines of code.

Roles of Bootstrap:

- Front-end designing is made easy by predefined components.
- Gives readymade class for designing best UIs.
- Decrease the necessity of custom CSS code.
- Make webpage responsive in nature.

Bootstrap classes, Tags, components and meaning:

Bootstrap Class / Component	Purpose / Description
container	Create fluid layout container
row	Target horizontal group
col	Target vertical group
btn	Class for button
btn-primary	Style b button with primary as color
btn-success	Green button
form-control	Style text area
alert	Display alert message box
navbar	Create responsive navigation bar
card	Flexible content container
img-fluid	Make responsive image
nav-item	Select individual item
navbar-brand	Add logo on navbar
text-center	Center the text horizontally

Example of Code:

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Output:

