Q.1 What are the advantages of Bootstrap?

Bootstrap is Easy to Use: Bootstrap is very easy and quite simple to use for designing and development. It can be used with CSS, LESS or SaaS, etc.

Fast and Time-Saving Framework: Bootstrap is an agile framework that is quite faster than other frameworks. It saves time due to its standard ready-made coding blocks, responsiveness, and cross-browser capabilities.

Reinforcement of Grids: One more recommendable feature is that bootstrap holds 12 column grid styles and supports responsiveness, counterbalance, and embedded elements.
Adhere to Basics: Bootstrap is a framework which holds base styling HTML elements like, tables, typography, buttons, forms, images, lists, and icons etc.

A Pack of JavaScript Fundamentals: Bootstrap supports Javascript Components so one don't require knowledge of scripting. It comprises JavaScript components like, tooltips, modal windows, alerts etc. to add functionalities easily.

Bootstrap is totally Customizable: It is developer-friendly and can be customized as per the project requirements. Common CSS, utilities, Javascript Components, and components can compose the appearance to create ease for developers.
Agile Responsive: Bootstrap is a fully responsive platform supporting a fluid grid layout. It crafts a mobile-ready site smoothly and easily and sets web design as per the dimensions of the particular device.

Q.2 What is a Bootstrap Container, and how does it work?

Bootstrap Containers are the most basic layout element in Bootstrap. Bootstrap **Containers** are very essential and basic building blocks of bootstrap that wrap a page's content. It's responsible for setting and aligning content within it according to viewport or given device. Containers are defined within the container class **(.container)**. In other words, we can say that containers are established the width for the layout to give the content. Elements and content are added within the container.

Containers are the most basic layout element in Bootstrap and are **required when using our default grid system**. Containers are used to contain, pad, and (sometimes) center the content within them. While containers *can* be nested, most layouts do not require a nested container.

Q.3 What are the default Bootstrap text settings?

Bootstrap 4 uses a default font-size of 16px, and its line-height is 1.5. The default font-family is "Helvetica Neue", Helvetica, Arial, sans-serif. In addition, all <p> elements have margin-top: 0 and margin-bottom: 1rem (16px by default).

Q.4 What do you know about the Bootstrap Grid System?

Bootstrap's grid system uses a series of containers, rows, and columns to layout and align content. It's built with flexbox and is fully responsive.

Q.5 What is the difference between Bootstrap 4 and Bootstrap 5

Difference between Bootstrap 4 and Bootstrap 5

BASIS OF	BOOTSTRAP 4	BOOTSTRAP 5
Grid System	It has 5 tier (xs, sm, md, lg, xl).	It has 6 tier (xs, sm, md, lg, xl, xxl).
Color	It has limited colors.	Extra colors added with the looks, A card improved color palette. there are various shades available to choose.
Jquery	It has jquery and all related plugins.	Jquery is removed and switched to vanilla JS with some working plugins
Internet Explorer	Bootstrap 4 supports both IE 10 and 11.	Bootstrap 5 doesn't support IE 10 and 11.
Form elements	Radio buttons, checkboxes have different look in different OS and browsers. The form uses whatever default browsers provide.	The look of form elements will not change, on different OS or browser. The forms can be customized and form controls can be added, they would not depend on browser.

BASIS OF	BOOTSTRAP 4	BOOTSTRAP 5
Utilities API	We cannot modify utilities in bootstrap 4	Bootstrap 5 gave freedom to modify and also create our own utility
Gutter	We use .glutter with fontsize in px	We use .g* with fontsize in rem
Vertical Classes	Columns can be positioned relative	Columns cannot be positioned relative
Bootstrap Icons	Bootstrap 4 doesn't have its own SVG icons, we have to use font-awesome for icons.	Bootstrap 5 have its own SVG icons
Jumbotron	It supports.	It doesn't support jumbotron.
Card deck	The card deck is used to create a set of cards with equal width and height.	Card deck class in removed in bootstrap
Navbar	We have inline-block property and we will get white dropdown as default for dropdown-menu-dark class.	Inline-block property is removed and we will get black dropdown as default for dropdown-menu-dark class.
Static Site Generator	Bootstrap 4 uses Jekyll software.	Bootstrap 5 uses Hugo software as it is fast static site generator.
flexbox grid	this makes easier to implement vertical designs, and the columns and rows can easily be implemented. the classes justify-center-content can directly be used to align according to the requirement.	advanced grid system is made available , also columns don't have relative positions.
RTL Support	It does not enable RTL(Right to Left) switching.	It enables RTL(Right to Left) switching.
Offcanvas Component	It does not support Offcanvas Component.	It supports Offcanvas Component(that is it is available now).

Q.6 What is a Button Group, and what is the class for a basic Button Group?

Bootstrap allows you to group a series of buttons together (on a single line) in a button group. Use a `<div>` element with class `.btn-group` to create a button group.

Q.7 How can you use Bootstrap to make thumbnails?

In addition to our [border-radius utilities](), you can use `.img-thumbnail` to give an image a rounded 1px border appearance.

Q.7 In Bootstrap 4, what is flexbox?

In Bootstrap 4, flex box is used to control the layout and alignment specification of Bootstrap 4 components. This box makes it easier to design flexible responsive layout structures without using float or positioning attributes.

Q.8 How can one create an alert in Bootstrap?

Alerts are created with the `.alert` class, followed by one of the four contextual classes `.alert-success`, `.alert-info`, `.alert-warning` or `.alert-danger`:

Q.9 What is a bootstrap card and how would you create one?

A card in Bootstrap 5 is a bordered box with some padding around its content. A **card** is a flexible and extensible content container. It includes options for headers and footers, a wide variety of content, contextual background colors, and powerful display options.

A basic card is created with the `.card` class, and content inside the card has a `.card-body` class.