**1.What is Vue and its advantages?**

Vue is a progressive framework for building user interfaces. Unlike other monolithic frameworks, Vue is meant from the bottom up to be incrementally adoptable. It is a library for building interactive web interfaces. It provides data-reactive components with a simple and flexible API.

***Advantage of Vue****:*

-**Very small size**: the smaller the size is, the more it will be used, the size of this framework is 18-21KB and it takes no time for the user to download and use it.

-**Learning Ease**: this framework is quite easy to understand, the user can easily add us.js to his web project because of its simple structure. Furthermore, it could also quickly develop both small and huge scale templates. Furthermore, it could also quickly develop both small and huge scale templates.

-**Flexibility**: It enables reputable app developers to write HTML and JavaScript templates and directly run them on different browsers. It provides you access to a wide range of various environments.

-**Good detailed documentation**: you only need to have a basic knowledge of the HTML or JavaScript for developing a web page or app. This is because of the fact that the documentation features are comprehensive enough.

-**Great Tooling**: it allows you to kickstart new projects with things like routing, state, store, linting etc in. you can also save your presents to use in other projects in the future.

-**Code readability**: As all the components are stored in separate files (and each component is just a single file), the code is easier to read and understand, which makes it easier to maintain and fix.

**2.what is the role of Vue as a front-end framework?**

The role of Vue as a front-end framework is user interface design.

**3.What is the difference between Vuejs and Bootstrap?**

Bootstrap can be classified as a tool in the "Front-End Frameworks" category, Bootstrap is a css framework, it is used for styling and designing the application, while Vue.js is grouped under "Javascript UI Libraries" are you to develop frontend applications with heavy user interaction, like adding validations in form, complex business logic etc. It has more to do with JS than css(though you can use them).

**4.What is a progressive framework?**

Progressive framework is designed to be ‘increasingly adoptable’, which makes it easy to use and to integrate with different frameworks and libraries in comparison to other inflexible JavaScript frameworks, it's implemented as additional markup to html. it is basically a template model bound to a data model. if the model is updated the browsers html is updated, that is it reacts to model updates.

**5.What are Single File Applications?**

A single-page application (SPA) is a web application or website that interacts with the web browser by dynamically rewriting the current web page with new data from the web server, instead of the default method of the browser loading entire new pages.

**6.What are the 3 parts of a component?**

component is composed of three parts:

+The <template> section which contains the component’s markup in plain HTML.

+The <script> section which contains all the JS logic within that component.

+The <style> section which contains all the component styles.

**7.What are the Differences between Vue CDN and Vue Cli?**

+Vue cdn or any cdn(content delivery network) link is used to host our files to the server... So that we can run our web app without downloading the files

+Vue cli (command line interface) or any cli which is mostly run by npm is used to download the files containing code.

+The difference is that the CLI creates all the boilerplate code you will need, while you will have to write it when you use the CDN.