

Angular

- .Angular is a full-fledged front-end framework
- .It is written in TypeScript, which requires some time to learn
- Angular uses a component-based architecture and follows the MVC (Model-View-Controller) pattern
- It provides a complete toolbox for development, testing, and building web applications
- .Angular has a larger file size compared to React and Vue
- .It has a medium level of performance and scalability

React

- .React is a UI library
- .It uses JSX and native JavaScript syntax
- .React relies on the help of other libraries to develop
- .It uses a virtual DOM (Document Object Model) for efficient rendering and updates
- .React has a high level of performance and scalability
- .It has a smaller file size compared to Angular

Vue

- .Vue is a progressive framework
 - .It combines the principles of Angular and React
 - Vue uses a component-based architecture and follows the MVVM (Model-View-ViewModel) pattern
 - .It has a quick learning curve and offers adopted solutions from other frameworks
 - .Vue has a smaller file size compared to both Angular and React
 - .It has a high level of performance and scalability
- In terms of syntax, Angular is written in TypeScript, React uses JSX and native JavaScript, and Vue uses plain JavaScript with TypeScript support
- For DOM manipulation, Angular creates a watcher for each binding, while React and Vue use a virtual DOM

In terms of architecture, Angular is a full-fledged MVC framework, React is a versatile library that relies on other libraries, and Vue combines the principles of .Angular and React in a component-based architecture

Here are some code snippets that illustrate the differences between Angular, React, and Vue

```
import { Component } from '@angular/core'; @Component({ selector: 'app-example',  
{ } template: ` <h1>Hello, Angular!</h1> ` , }) export class ExampleComponent
```

```
:  
:
```

```
import React from 'react'; function ExampleComponent() { return <h1>Hello,  
;React!</h1>; } export default ExampleComponent
```

```
template> <h1>Hello, Vue!</h1> </template> <script> export default { name:>  
<'ExampleComponent', }; </script>
```