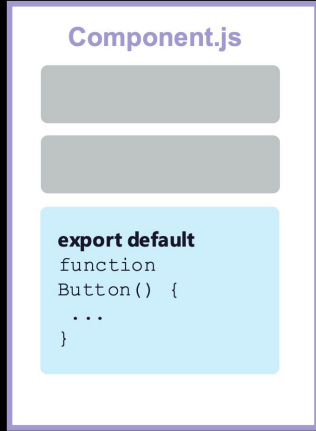
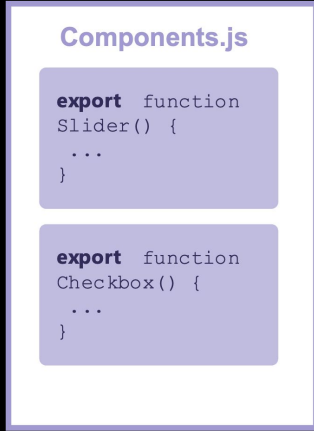




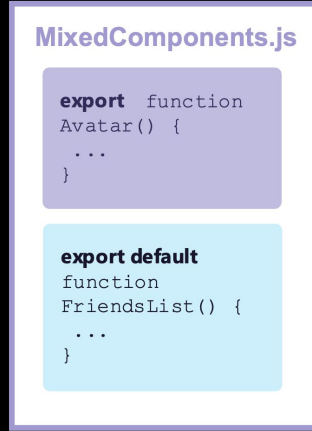
Exporting/Importing components



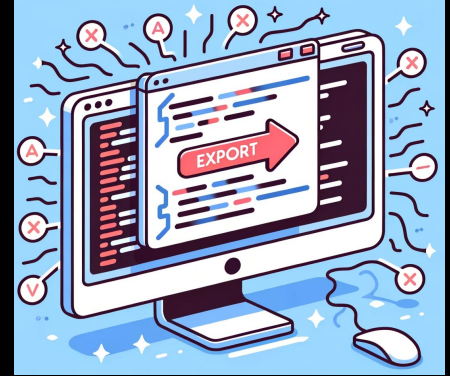
one default export



multiple named exports



named export(s)
and one default export



1. **Enables** the use of a component in **other parts**.
2. **Default Export**: Allows exporting a single component as the default from a module.
3. **Named Export**: Allows exporting multiple items from a module.
4. **Importing**: To use an exported component, you need to import it in the destination file using import syntax.



React

Exporting/Importing components

```
import React from 'react';  
import './Paragraph.css';
```

```
const Paragraph = () => {  
  return <p className="custom-paragraph">  
    This is a styled paragraph component demonstrating  
    how to apply external CSS in React.  
  </p>;  
};
```

```
export default Paragraph;
```

```
import React from 'react';  
import './Heading.css';
```

```
const Heading = () => {  
  return <h1 className="custom-heading">  
    Custom Components  
  </h1>;  
};
```

```
export default Heading;
```

```
.custom-paragraph {  
  font-size: 18px;  
  color: #333;  
  line-height: 1.6;  
  margin-bottom: 20px;  
  font-family: 'Arial', sans-serif;  
}
```

```
.custom-heading {  
  font-size: 32px;  
  color: #4CAF50;  
  margin: 20px 0;  
  font-weight: bold;  
  font-family: 'Arial', sans-serif;  
}
```



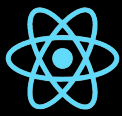
Exporting/Importing components

```
import React from 'react';  
import Button from './Button';  
import Paragraph from './Paragraph';  
import Heading from './Heading';
```

```
function App() {  
  return (  
    <div>  
      <Heading/>  
      <Paragraph />  
      <Button />  
    </div>  
  );  
}
```

```
export default App;
```

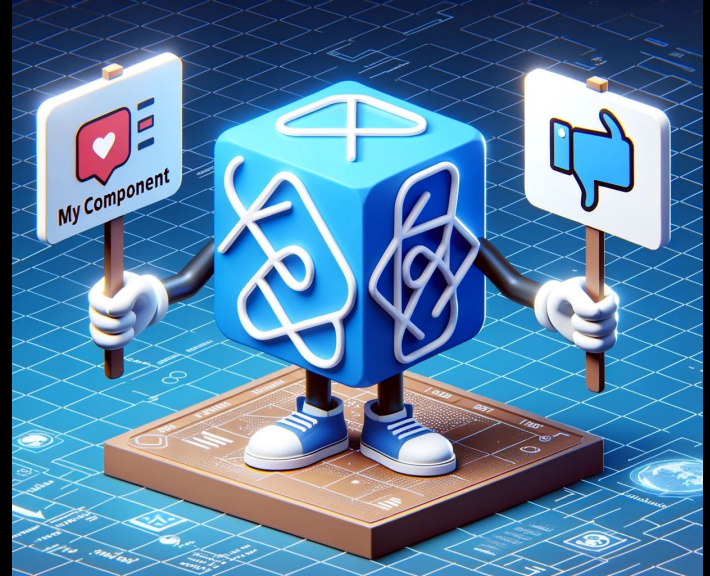




React

Important Points

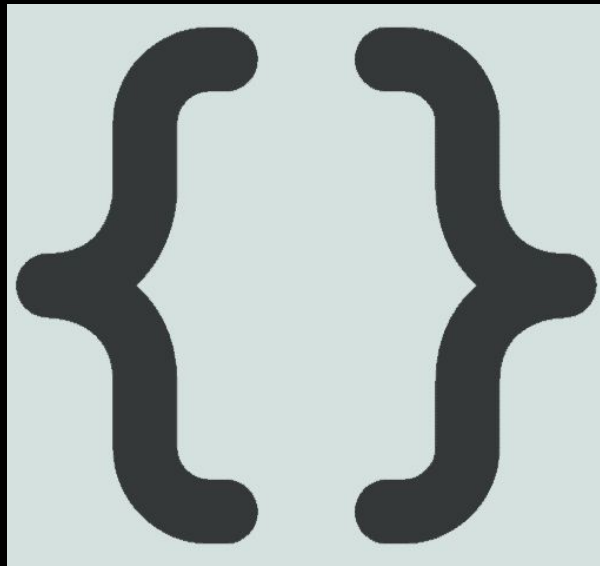
1. **Naming:** Must be capitalized;
lowercase for default HTML.
2. **HTML:** Unlike vanilla JS where you can't directly write HTML, in React, you can embed HTML-like syntax using JSX.
3. **CSS:** In React, CSS can be directly imported into component files, allowing for modular and component-specific styling.





Dynamic Components

1. **Dynamic Content:** JSX allows the creation of **dynamic** and interactive UI components.
2. **JavaScript Expressions:** Using **{}**, we can **embed any JS expression directly within JSX**. This includes variables, function calls, and more.





React

Dynamic Components

```
function Hello() {  
  let myName = 'Prashant';  
  let number = 456;  
  let fullName = () => {  
    return 'Prashant Jain';  
  }  
  
  return <p>  
    MessageNo: {number} {myName} your master {fullName()}  
  </p>  
}  
  
export default Hello;
```



React

Dynamic Components

```
import React from 'react';
```

```
const fruits = ['Apple', 'Banana', 'Orange', 'Grapes', 'Mango'];
```

```
const List = () => {  
  return (  
    <ul>  
      {fruits.map((fruit, index) => (  
        <li key={index}>{fruit}</li>  
      ))}  
    </ul>  
  );  
};
```

```
export default List;
```




Reusable Components

1. **Modularity:** Components are modular, allowing for **easy reuse across different parts** of an application.
2. **Consistency:** Reusing components ensures **UI consistency** and reduces the chance of discrepancies.
3. **Efficiency:** Reduces development time and effort by **avoiding duplication of code**.
4. **Maintainability:** **Changes** made to a reused component **reflect everywhere** it's used, simplifying updates and bug fixes.

