→ the components in react are very useful and best part of react .

→ components means we divide the website code into the smaller part and then we combine them to make final website.

→ For example if we want to make a heading component then we will make one file called `Heading.jsx` and add this :

```
import React from 'react';
function Heading(){
    return <h1>This is a heading</h1>
}
export default Heading;
```

→ so i made 2 components for Heading and paragraph

```
import React from 'react';
function Para(){
 return <p>This is a paragraph</p>
}

export default Para;
```

→ now just import the components

```
import React from 'react';
import reactDOM from 'react-dom'; // → this is the new way
import './index.css'
import Heading from './Heading';
import Para from './Para';
```

→ and use them

```
reactDOM.render(
  <>
    <Heading></Heading>
    <Para></Para>
  </>,
  document.getElementById('root')
)
```

→ and we got the output

This is a heading

This is a paragraph

My name is shivam

My favourite number is 7

→ as they don't have child so we can write these tags as

```
<Heading />
<Para />
```

→ These are known as self closing tags

→ But if there was a master component and we only import that in our main `index.js` file

→ so we made a file called `Master.jsx` which is master component

→ i added this into `Master.jsx`

```jsx
import React from 'react';
import Heading from './Heading';
import Para from './Para';
const style = {
    color:'green',
    fontFamily:'cascadia code'
}

function App(){
    return (
        <>
            <Heading></Heading>
            <Para style={style}></Para>
            <Para style={style}></Para>
        </>
    )
}
export default App;
```

→ and just import it in `index.js` file
→ we just need to write this

```jsx
reactDOM.render(
 <Master></Master>,
 document.getElementById('root')
);
```