

JSX

without jsx you need to declare like this

```
import React from "react";

import ReactDOM from "react-dom";

const App = () => {
  return React.createElement("h1", {className: "title1"}, "Hello World!");
};
```

with JSX you need to code like this

```
import React from "react";
import ReactDOM from "react-dom";

const App = () => {
  return <h1>Hello</h1>;
};
```

if you want to enter after return you need ()

```
import React from "react";
import ReactDOM from "react-dom";
const App = () => {
  return (
    <h1>
```

```
    Hello <div>How are you</div>
  </h1>
);
};
```

if you want to return more than one html tag you need to use `<></>` or `<React.Fragment></React.Fragment>` (پدر) (همسایه)

```
const App = () => {

  return (
    <React.Fragment>
      <h1>
        Hello <div>How are you</div>
      </h1>
      <h2>Mohammad</h2>
    </React.Fragment>
  );
};
```

```
const App = () => {

  return (
    <>
      <h1>
        Hello <div>How are you</div>
      </h1>
      <h2>Mohammad</h2>
    </>
  );
};
```

JSX syntax

In jsx class is className it means if you want to declare class name for your tag you need to use className instead of class

```
const App = () => {  
  
  return (  
    <>  
      <h1 className="ali">  
        Hello <div>How are you</div>  
      </h1>  
      <h2>Mohammad</h2>  
    </>  
  );  
};
```

Project Structure

you need to import and export and use that component in your jsx

Export and Import

export a component is like this

```
import React from "react";  
  
export const App = () => {  
  return (  
    <>  
      <h1 className="ali">  
        Hello <div>How are you</div>  
      </h1>  
    </>  
  );  
};
```

```
    </h1>
    <h2>Mohammad</h2>
  </>
);
};
```

and you need to import like this

```
import React from "react";
import ReactDOM from "react-dom";
import {App} from "./App.jsx"

const root = ReactDOM.createRoot(document.getElementById("root"));

root.render(<App />);
```

Default export and import

you need to add `export default App;` at the end of the file like this

```
import React from "react";
export const App = () => {
  return (
    <>
      <h1 className="ali">
        Hello <div>How are you</div>
      </h1>
      <h2>Mohammad</h2>
    </>
  );
};
```

```
};  
export default App;
```

```
import React from "react";  
import ReactDOM from "react-dom";  
import App from "./App.jsx"  
  
const root = ReactDOM.createRoot(document.getElementById("root"));  
  
root.render(<App />);
```

Code in JSX

with opening {} in middle of JSX you can run you JavaScript code like the below code you can run you the data function

```
import React from "react";  
  
export const App = () => {  
  const age = 2015;  
  const data = () => {  
    return age;  
  }  
  return (  
    <>  
      <h1>  
        Hello my child was born in the year {data()}, I am your father  
      </h1>  
    </>  
  );  
};
```

```
export default App;
```

Style

We have two ways:

Inline styling

We have style in every tag we have and input of it is object you can give style in to it so:
Create an object:

```
const style = {  
  
};
```

styling in react is different for example `min-height` covert to `minHeight`

Now you can write your styles:

```
const style = {  
  color: "#fff",  
  backgroundColor: "#f15e5e",  
  border: "none",  
  borderRadius: "10px",  
  margin: "10px",  
  width: "30px",  
  height: "30px",  
  alignItems: "center",  
};
```

At this moment you can add you style to your tag like this

```
<button style={style}>Button</button>
```

Or you can give your object directly like this:

```
<div style={{display:"flex", justifyContent:"center", alignItems:"center"}}>
```

at the end we have this code:

```
import React from "react";
import "./App.css"

export const App = () => {

  const style = {
    color: "#fff",
    backgroundColor: "#f15e5e",
    border: "none",
    borderRadius: "10px",
    margin: "10px",
    width: "30px",
    height: "30px",
    alignItems: "center",
  };

  return (
    <>
      <div className="container">
        <h1>Counter</h1>
        <div style={{display:"flex", justifyContent:"center", alignItems:"center"}}>
```

```
        <button style={style}>-</button>
        <h2>0</h2>
        <button style={style}>+</button>
      </div>
    </div>
  </>
);
};

export default App;
```