

01.

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

```
function Welcome() {
  return <h1>Hello, World!</h1>;
}
```

```
ReactDOM.render(
  <Welcome />,
  document.getElementById('root')
);
```

02.

```
function Welcome(props) {
  return <h1>Hello, {props.name}!</h1>;
}
```

```
ReactDOM.render(
  <Welcome name="React Learner" />,
  document.getElementById('root')
);
```

03

```
function ImageComponent() {
  return ;
}
```

04

```
function Greeting(props) {
  const isLoggedIn = props.isLoggedIn;
  return (
    <div>
      {isLoggedIn ? <h1>Welcome back!</h1> : <h1>Please sign in.</h1>}
    </div>
  );
}
```

```
ReactDOM.render(
  <Greeting isLoggedIn={true} />,
  document.getElementById('root')
);
```

05

```
class Car extends React.Component {
  render() {
    return <h2>Hi, I am a Car!</h2>;
  }
}
```

06

```
function Car() {
  return <h2>Hi, I am a Car!</h2>;
}
```

07

```
import React from 'react';
import ReactDOM from 'react-dom/client';
```

```
class Car extends React.Component {
  render() {
    return <h2>Hi, I am a Car!</h2>;
  }
}
```

```
const container = document.getElementById('root');
const root = ReactDOM.createRoot(container);
root.render(<Car />);
```

08

```
import './App.css';
```

```
function App() {
  const title = 'Welcome to the new blog';
  const likes = 50;
  const link = 'http://www.google.com';
```

```
  return (
    <div className="App">
      <div className="content">
        <h1>{ title }</h1>
        <p>Liked { likes } times</p>
        <p>{ 10 }</p>
        <p>{ "hello, ninjas" }</p>
        <p>{ [1,2,3,4,5] }</p>
        <p>{ Math.random() * 10 }</p>

        <a href={link}>Google Site</a>
      </div>
    </div>
  );
}
```

```
export default App;
```

09

```
import { Test } from './Test';
```

```
function App() {
  return (
    <div className="App">
      <Test name="John" age="30"/>
      <Test name="Tommy" age="35"/>
    </div>
  );
}
```

```
export default App;
```

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import React from 'react'

```
export const Test = ({name,age}) => {  
  return (  
    <div>  
      <h1>Hello {name}, you're {age}yrs old</h1>  
    </div>  
  )  
}
```

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import React from 'react'

```
export const Home = () => {  
  // arrow function  
  const handleClick = () => {  
    console.log('Hello');  
  }  
  return (  
    <div className="home">  
      <button onClick={handleClick}>Click Me</button>  
    </div>  
  )  
}
```

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import React from 'react'

```
export const Home = () => {  
  // arrow function  
  const handleClick = () => {  
    console.log('Hello');  
  }  
  return (  
    <div className="home">  
      <button onClick={() => { handleClick() }}>Click Me</button>  
    </div>  
  )  
}
```

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import React from 'react'

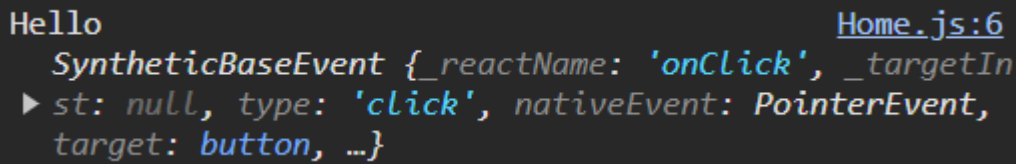
```
export const Home = () => {  
  // arrow function  
  const handleClick = (name) => {  
    console.log('Hello '+name);  
  }  
  return (  
    <div className="home">  
      <button onClick={() => { handleClick('John') }}>Click Me</button>  
    </div>  
  )  
}
```

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

```
export const Home = () => {  
  // arrow function  
  const handleClick = (e) => {  
    console.log('Hello',e);  
  }  
  return (  
    <div className="home">  
      <button onClick={e => { handleClick(e) }}>Click Me</button>  
    </div>  
  )  
}
```

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```
Hello Home.js:6  
SyntheticBaseEvent {_reactName: 'onClick', _targetInst:  
▶ st: null, type: 'click', nativeEvent: PointerEvent,  
target: button, ...}
```

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```
function Car(props) {  
  return <li>I am a { props.brand }</li>;  
}
```

```
function Garage() {  
  const cars = [  
    {id: 1, brand: 'Ford'},  
    {id: 2, brand: 'BMW'},  
    {id: 3, brand: 'Audi'}  
  ];  
  return (  
    <>  
      <h1>Who lives in my garage?</h1>  
      <ul>  
        {cars.map((car) => <Car key={car.id} brand={car.brand} />)}  
      </ul>  
    </>  
  );  
}
```

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```
function MyForm() {  
  return (  
    <form>  
      <label>Enter your name:  
      <input type="text" />  
    </label>  
    </form>  
  )  
}
```

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```
import { useState } from "react";
```

```
function FavoriteColor() {  
  const [color, setColor] = useState("");  
}
```

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```
function FavoriteColor() {  
  const [color, setColor] = useState("red");
```

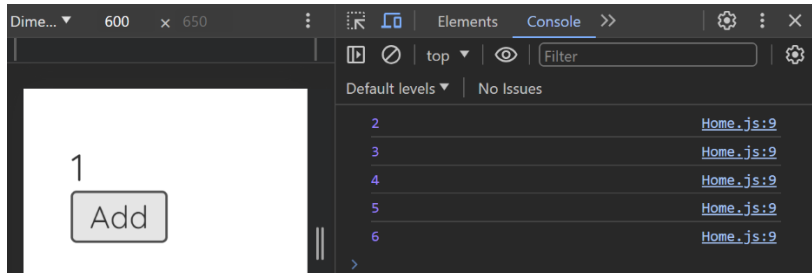
```
  return (  
    <>  
    <h1>My favorite color is {color}</h1>  
    <button  
      type="button"  
      onClick={() => setColor("blue")}  
    >Blue</button>  
    </>  
  )  
}
```

20

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

```
export const Home = () => {  
  let num = 1;  
  
  const increaseValue = () => {  
    num++;  
    console.log(num);  
  }  
  return (  
    <div className="home">  
      <p>{num}</p>  
      <button onClick={increaseValue}>Add</button>  
    </div>  
  )  
}
```

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22

```
import React, { useState } from 'react';
```

```
export const Home = () => {  
  let [num, add] = useState(1);  
  
  const increaseValue = () => {  
    num++;  
    add(num);  
    console.log(num);  
  }  
  return (  
    <div className="home">  
      <p>{num}</p>  
      <button onClick={increaseValue}>Add</button>  
    </div>  
  )  
}
```

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