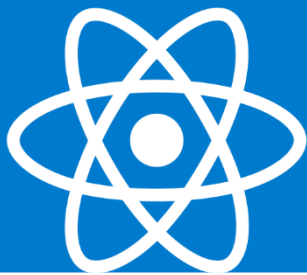




Event

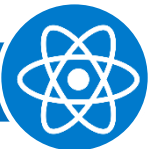
#React Notes

| Event

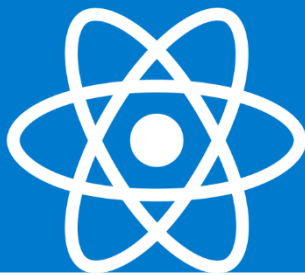


Events

- In React Mostly below events are useful.
 - onClick
 - onChange



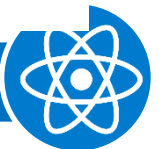
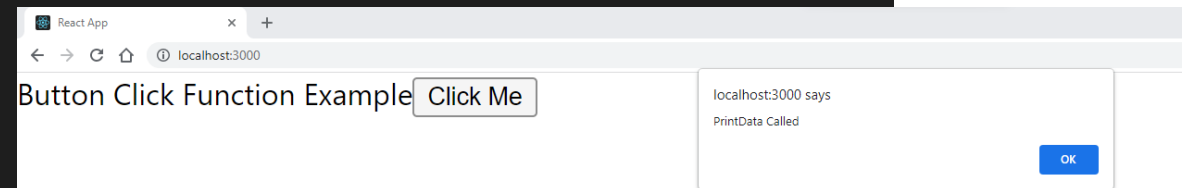
| Click Event



Function Component

src > JS Home.js > default

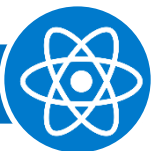
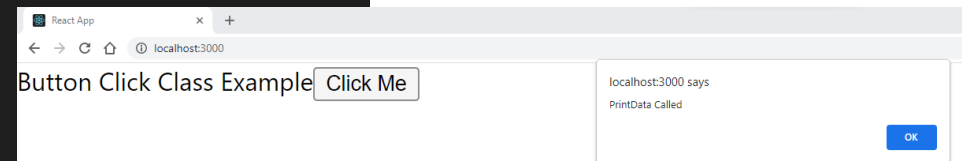
```
1  function Home() {  
2    function printData() {  
3      alert('PrintData Called');  
4    }  
5    return (  
6      <>  
7        Button Click Function Example  
8        <button onClick={printData}>Click Me</button>  
9      </>  
10   );  
11 }  
12  
13 export default Home;
```



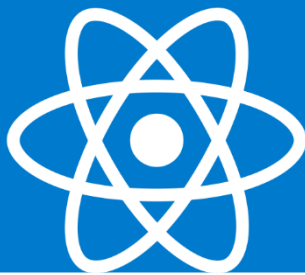
Class Component

- First this represent class
- Second this represent button

```
src > JS About.js > [X] default
1  import React from 'react';
2  class About extends React.Component {
3
4      printData() {
5          alert('PrintData Called');
6      }
7
8      render() {
9          return (
10             <>
11                 Button Click Class Example
12                 <button onClick={this.printData.bind(this)}>Click Me</button>
13             </>
14         );
15     }
16 }
17
18 export default About;
```



| Event Type



Button List Event Details

```
JS Home.js U X
src > JS Home.js > Home
1 function Home() {
2   function printData(event) {
3     console.log(event); // Print Event Object
4     console.warn("Type : " + event.type);
5     console.warn("Name : " + event.target.name);
6     console.warn("Value : " + event.target.value);
7   }
8 }
9 return (
10   <>
11     Button Click Function Example
12     <button onClick={printData} value="I am Button" name="btn1">Click Me</button>
13   </>
14 );
15 }
16
17 export default Home;
```

React App

localhost:3000

Button Click Function Example Click Me

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top Filter

SyntheticBaseEvent {
 _reactName: 'onClick',
 _targetInst: null,
 type: 'click',
 nativeEvent: PointerEvent
}

Type : click

Name : btn1

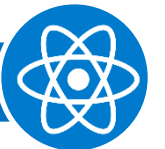
Value : I am Button



Form Submit Method

- EventPreventDefault will not allowed to reload page.

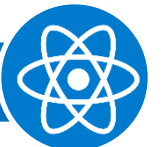
```
src > JS About.js > ...
1  import React from 'react';
2  class About extends React.Component {
3
4      printData(event) {
5          console.log(event); // Print Event Object
6          console.warn("Type : " + event.type);
7          event.preventDefault(); //Stop Refreshing Page
8      }
9
10     render() {
11         return (
12             <>
13                 <form onSubmit={this.printData.bind(this)}>
14                     Name : <input type="text" name="txt1"/>
15                     <input type='submit' />
16                 </form>
17             </>
18         );
19     }
20 }
21
22 export default About;
```



Textbox OnChange Print

- It will work on Mainly Class.

```
src > Js About.js > [?] default
1  import React from 'react';
2  class About extends React.Component {
3
4      printData(event) {
5          console.log(event); // Print Event Object
6          console.warn("Type : " + event.type);
7          console.warn("Name : " + event.target.name);
8          console.warn("Value : " + event.target.value);
9          event.preventDefault(); //Stop Refreshing Page
10     }
11
12     render() {
13         return (
14             <>
15                 Name : <input type="text" onChange={this.printData.bind(this)} name="txt1"/>
16             </>
17         );
18     }
19 }
20
21 export default About;
```



Multiple Textbox OnChangePrint

- For Multiple Input either we can create different function or we can use array

```
JS About.js U X
src > JS About.js > [default]
1 import React from 'react';
2 class About extends React.Component {
3
4   printData(event) {
5     console.log(event); // Print Event Object
6     console.warn("Type : " + event.type);
7     console.warn("Name : " + event.target.name);
8     console.warn("Value : " + event.target.value);
9     event.preventDefault(); //Stop Refreshing Page
10  }
11
12  render() {
13    return (
14      <>
15        Name : <input type="text" onChange={this.printData.bind(this)} name="txt1"/>
16        Number : <input type="text" onChange={this.printData.bind(this)} name="txt2"/>
17      </>
18    );
19  }
20 }
21
22 export default About;
```

React App

Name : Number :

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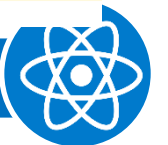
top Filter

SyntheticBaseEvent { _reactName: 'onChange', _targetInst: null, type: 'change', nativeEvent: InputEvent

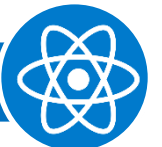
- Type : change
- Name : txt1
- Value : A

SyntheticBaseEvent { _reactName: 'onChange', _targetInst: null, type: 'change', nativeEvent: InputEvent

- Type : change
- Name : txt2
- Value : 1



```
handleInputChange(event) {  
  const target = event.target;  
  var value = target.value;  
  const name = target.name;  
  this.setState({  
    [name]: value,  
  });  
}
```



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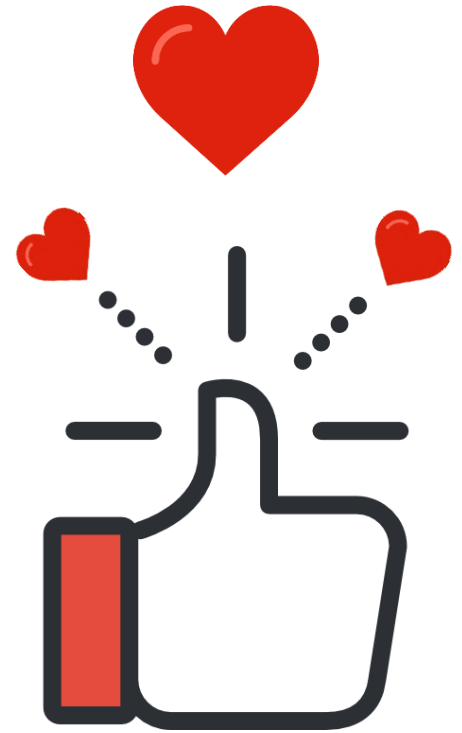
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