

React Basics 1

import syntax

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

export Syntax

```
Code Sampleexport default App;
```

Components Types

Class Based Component

```
class App extends Component {  
  render () {  
    return (  
      <div>  
        Hello {this.props.name}  
      </div>  
    )  
  }  
}  
  
//Note that when returning multiple html  
elements,wrap it inside div and insite  
brackets of return st
```

Functional components

```
const Header =(props) => {  
  return(  
    <div>  
      Hello {this.props.name}  
    </div>  
  )  
}  
  
//props are passed as the first  
parameter to a function.
```

Using Constructor inside react

```
class App extends Component {  
  
  constructor(props)  
  {
```

```
super(props);  
}  
  
//Rest of the code
```

States

```
//State Declaration  
class App extends Component {  
  
  state = {  
    toggle: true,  
    name: 'Akash',  
  }  
  
//Using state  
<p>{this.state.name}</p>
```

Props

```
//First pass props to child component  
<Video name="Akash" />  
  
//recieve props in child component as  
render () {  
<p>{this.props.name}</p>  
}  
  
//Note that props is an array which contains all the props passed for that component
```

Children

```
<AlertBox>  
<h1>You have pending notifications</h1>  
</AlertBox>  
  
class AlertBox extends Component {  
  render () {  
    return <div>  
      {this.props.children}  
    </div>  
  }  
}  
  
//Children are passed as the children property.
```