*//Assigning Variable*

import React from 'react';

class App extends React.Component{

render(){

const username = "Kavuthami S"

return(<h1>My name is {username} </h1>)

}

}

export default App

o/p:My name Kavuthami S

*//Using State*

import sk from 'react';

class Ap extends sk.Component {

constructor()

{

super()

this.state={

username:"Kavuthami S"

}

}

render(){

return(<h1>{this.state.

username}

</h1>)

}

}

export default Ap

output: My name is Kavuthami S

//Name change

*//TO click name change*

import namechange from 'react';

class sj extends namechange.

Component {

constructor(){

super()

this.state = {

name: 'Kavuthami S'

}

}

handleClick = () =>{

this.setState({

name: 'Kiruba'

})

}

render(){

return(<h1 onClick=

{this.handleClick}>

My name is {this.state.name}</h1>)

}

}

export default sj

# output: My name is Kavuthami S  click Kavuthami S and change My name is Kiuba

**NAME WITH DEGREE and using prop.prop means getting data from other folder(call other folder to receive data)**

*//TO click name change with degree*

import namechangewithdegree from 'react';

class degree extends namechangewithdegree.

Component {

constructor(props){

super(props)

this.state = {

name: 'Kavuthami S'

}

}

render(){

return(<h1>

My name is {this.state.name} . I have

completed {this.props.myDegree} </h1>)

}

}

export default degree

# output: My name is Kavuthami S . I have completed B.E.

Parent index.js to child app

React JS = one way data binding,one way directional,it process step by step

Angular = 2 way data binding

Onclick option used in return itself

*//TO click name change*

import namechangewithdegree from 'react';

class degree extends namechangewithdegree.

Component {

constructor(props){

super(props)

this.state = {

name: 'Kavuthami S'

};

}

render(){

return(

<>

<h1 onClick={()=>

this.setState

({name:"Kiruba"})}>

My name is {this.state.name} . I have

completed {this.

props.myDegree}

</h1>

</>

);

}

}

export default degree

# output: My name is Kavuthami S . I have completed B.E.

# Click Kavuthami S to get output of

# My name is Kiruba . I have completed B.E.

**1.Basic Program**

import React from

"react" *//"react" libraryname*

*//create class*

*//component class extend*

*//component name starts with Capital*

class App extends

React.Component{

*//render() use display the HTMLcode*

render(){

return(<h1>Hello</h1>)

}

}

export default App

output:Hello

More than one sentence adding

import React,{Component}

from "react"; *//"react" libraryname*

*//create class //component class extend //component name starts with Capital*

*//state work in that component only*

*//state declare by constructor*

*//all the method give above render*

class App extends

Component {

constructor(){ *//super eyword used to consume from class //this keyword refer current object}*

super();

this.state = { *//object decleration*

greet:"Helo"

};

}

*//render() use display the HTMLcode*

render()

{

return(

*//React.Fragment used to create more then 1 sentence*

<React.Fragment>

<h1>{this.state.greet}</h1>

<h1>{this.state.greet}</h1>

<h1>{this.state.greet}</h1>

<h1>{this.state.greet}</h1>

</React.Fragment>

);

}

}

export default App;

Output:

Helo

Helo

Button Program format 1

import React,{Component} from "react"

class App extends Component {

constructor(){

super();

this.state = {

count:0

};

}

handleincrement

=() => {

this.setState({

count:this.state.count + 1

});

};

handledecrement

=() => {

this.setState({

count:this.state.count - 1

});

};

render()

{

return(

<React.Fragment>

<h1>Count down

start's >

{this.state.count}</h1>

<button onClick={this.handleincrement}>Click here to

Incresae the count</button>

<button onClick={this.handledecrement}>Click here to Decrease

the count</button>

</React.Fragment>

);

}

}

export default App;

Button Program format 2

import React,{Component} from "react"

class App extends Component {

constructor(){

super();

this.state = {

count:0

};

}

render(){

return(

<React.Fragment>

<h1>Count :{this.state.count}</h1>

<button onClick = {() => this.setState((prev) => ({count:prev.count+1}))}>Increase</button>

<button onClick = {() => this.setState((prev) => ({count:prev.count-1}))}>Decrease</button>

</React.Fragment>

);

}

}

export default App

Button Program format 3

import React,{Component} from "react"

class App extends Component {

constructor(){

super();

this.state = {

count:0

},

this.add = this.add.bind(this)

this.subract = this.subract.bind(this)

}

add(){

this.setState({

count: this.state.count+1

})

}

subract(){

this.setState({

count: this.state.count-1

})

}

render(){

return(

<React.Fragment>

<h1>Count :{this.state.count}</h1>

<button onClick = {this.add}>Increase</button>

<button onClick = {this.subract}>Decrease</button>

</React.Fragment>

);

}

}

export default App