**Installation**

*=> npm install -g create-react-app*

g means global, this command installs create-react-app globally in system

*=> create-react-app .*

Creates a react boiler plate in the same folder

*=> create-react-app projectName*

Creates a folder called projectName, and installs boiler plate in it

*=> npm start*

starts the react application

**Using Dynamic Data**

import React from 'react';

const getYear = () => {

const d = new Date();

return d.getFullYear();

}

const user = {

name : 'Ronit',

surname : 'Chattopadhyay',

age : 16

}

const Header = () => {

return (

<div>

<div> First Name : {user.name}</div>

<div> Last Name : {user.surname}</div>

<div> Age : {user.age}</div>

<div>

Copy Right RC @ {getYear()}

</div>

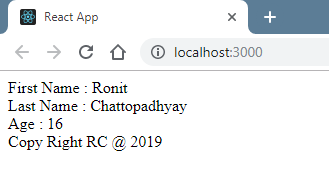
</div>

)

}

export default Header;

Output:



**Classes and Events**

import React, {Component} from 'react';

class Header extends Component {

inputChangeHandler(event){

console.log(event.target.value);

}

render(){

return (

<header>

<div className = "logo">Logo</div>

<input

type="text"

onChange={ (e) => this.inputChangeHandler(e)}/>

</header>

)

}

}

export default Header;

**ESX**

class Car{

constructor(){

this.wheels = 4;

this.type = 'HatchBack';

}

}

class Hyundai extends Car{

constructor(){

super();

this.windows = 4;

}

}

const car = new Car();

const hyundai = new Hyundai();

console.log(hyundai.wheels);

**State**

import React, {Component} from 'react';

class Header extends Component {

state = {

title: 'The keywords are:',

keyword: ''

}

inputChangeHandler = (event) => {

//console.log(event.target.value);

this.setState({

keyword: event.target.value

})

}

render(){

console.log(this.state.keyword)

return (

<header>

<div className = "logo">Logo</div>

<input

type="text"

onChange={ this.inputChangeHandler }/>

<div> {this.state.title} </div>

<div> {this.state.keyword} </div>

</header>

)

}

}

export default Header;

