Day 3 : 15 June 2024

React with styling using css, external library, bootstrap

CSS : Cascading Style Sheet : CSS provide lot of pre defined property in the form of key-value pairs which help apply styling effect for web page.

Type of css

1. Inline css

<tagName style=”property:value;property:value;property:value”></tagName>

If we want to create inline CSS in React JS

function App() {

const cssProperty={color:”red”}

return(

<div>

<h1 style={cssjsonproperty}>Welcome to web page</h1>

<p style={{color:”red”,}}>Welcome to Inline css </p>

<p style={{color:”red”}}>Welcome to Inline css </p>

<p style={cssProperty}>Welcome to Inline css </p>

<p style={cssProperty}>Welcome to Inline css </p>

</div>

)

}

exports default App;

if css property contains more than one world then we need to use camelNaming rules.

fontSize

backgroundColor

create-react-app react-styling-app

let a=10; JS

a=”Ravi”;

function add(a,b){

}

ar a;

add(10,20);

add(10)

add();

add(“A”,”B”);

let a:number=10; TS

a=”Ravi” error

function add(a:number,b:number) {

}

add(10,20);

add(10); error

external CSS

styles.css

typesofSelector{property:value}

\*{color:red} : universal selector

body{margin:0}

p{background-color:”pink”}

.abc{color:”yellow”}

.xyz{color:”blue”}

#p1{padding:0px}

index.html

<head>

<link type=”text/css” rel=”stylesheet” href=”styles.css”/>

</head>

<body>

<p>Welcome to External CSS file</p>

<p>Welcome to External CSS file</p>

<p class=”abc” id=”p1”>Welcome to External CSS file</p>

<p class=”abc”>Welcome to External CSS file</p>

<p class=”xyz”>Welcome to External CSS file</p>

<p id=”p1”>Welcome to External CSS with id selector</p>

<p id=”p1”>Welcome to External CSS with id selector</p>

</body>

If we want to use class selector in component those classes part of user defined class or bootstrap we need to use

<tagName className=””></tagName>

React JS with Bootstrap

create-react-app create-bootstrap-app

bootstrap is first css web framework which provide lot of pre defined classes base upon DOM element like button, form, tables, div, alert etc.

using bootstrap we can create responsive web application.

Bootstrap button classes

Bootstrap container classes.

React forms

username

emailid

password

create-react-app react-form-app

Product Crud Operation : Insert, Delete, Update and Retrieve with bootstrap array operation

Product Crud Operation with product.json File with axios

Get, post, put and delete methods.

json-server

Component communication

Context api

Redux

Testing