React JS

Component, States,Props

Module:1

1. HTML-CSS Login Registration page

Ans. https://github.com/Amanmansuri2001/Task/blob/main/sign\_up\_form.html

Module:2(JavaScript Essentials)

1. Calculate subtotal price of quantity in JavaScript?

Ans. <https://github.com/Amanmansuri2001/Task/blob/main/Subtotal.html>

2. What is JavaScript Output method?

Ans. JavaScript output method refers to the way of display the written code. Four types of output methods are used to display the output.

• InnerHTML:- it is used to access an element and defines HTML content

• document.write():-It is used mainly for testing purpose because of his rewriting the whole document nature.

• Window.alert():-it displays the content using alert box

• Console.log():- it access the console of browser and used for debugging

3. How to used JavaScript Output method? Ans. JavaScript has different ways to display Output some them are:-

• By using innerHTML we can write into HTML element

• By using document.write we can write into document

• By using window.alert we can access alert as an output

• By using console.log we can access console as an output

4. How to used JavaScript Events to do all examples?

Ans. We have to store that particular element where we use to Events of JavaScript.

Now we can use method called addEventListener on it and can specify which events we want use on it

Syntex:- Variable.addEventListener(“event”, function);

<button type="submit" id="input">>

<script>

Const input = document.getElementByID(“input”);

Input.addEventListener(“Click”, ()=>{

Console.log(“Pressed”); //Pressed

})

</script>

Module:3(JavaScript Essentials)

1. What is React Js?

Ans. React Js is a JavaScript Library used to building composable user interfaces that helps in interacting with the other components in various spectra of user requirements also used in creating reusable UI components, and also provides virtual DOM.

2. What is NPM in React Js?

Ans. Node Package Manager (NPM) is an online directory that contains many different types of open-source packages. With the help of NPM we can actually install this packages and it will also maintain all the dependencies related to that particular package.

3. What is Role of Node Js in react Js?

Ans. NodeJs provides NPM to install open-source packages and also people prefer to use JSX format while writing React Js. So Node Js provides efficient environment for creating React by providing useful tools.

4. What is CLI command In React Js?

Ans. Command-line interfaces provide an environment that helps us to install or configure software or packages. In node we can use Node Package Manger(NPM) to installing and creating the project.

5. What is Components in React Js?

Ans. Components are basically block of code that can be reused and are independent in nature. They are same as JavaScript function but work in independent nature and return HTML. There are two types of component Function Component and Class Component. Now days, function components are recommended more.

6. What is Header and Content Components in React Js?

Ans. In webpage layout we have Header and Content section. For creating that we are writing bunch of code together in HTML. But in React Js we can create Particular Components for the respected section of layout, for example we can copy the all the HTML code of header section and put it in a React Js component nature. And by doing tht we can easily access that header component in every page of the website. So Header Component represent header section of a layout and Content Component represent content section of layout

7. How to install React Js on Windows, Linux Operating System? How to install NPM and How to check version of NPM?

Ans. For Windows & Linux:-

• Open Terminal(Command Propmt or Powershell)

• Go into your desired location where you want to start react app by using ‘cd’ command in prompt

• And use the command ‘npm create-react-app projectname’

8. How to check version of React Js?

Ans. By opening package.json and look into dependencies section.

9. How to change in components of React Js?

Ans. By using Props we can actually change in components of React Js. We can define props as an arguments in child component. Now we can change that child component in another component by using there arguments as a property while defining child component.

10.How to Create a List View in React Js?

Ans.The ListView Component is an inbuilt React Native view component that displays a list of items in a vertically scrollable list. It requires a ListView.DataSource API to populate a simple array of data blobs and instantiate the ListView component with a data source and a renderRow callback.

The major advantage of using the ListView Component over the ScrollView Component is that it overcomes the performance shortcomings of the ScrollView Component. Behind the scenes, however, the ListView Component uses a ScrollView as its scrollable component. Thus, the ListView Component is an abstraction that optimizes the ScrollView Component.

Syntax:

<ListView

dataSource={}

renderRow={}

/>

11.Create Increment decrement state change by button click?

import React, { Component } from 'react'

export default class Class\_stests\_2 extends Component {

    constructor(){

        super()

        this.state ={

            name:"Aman Mansuri",

            age:'20',

            number: 1,

            img: true

        };

    }

    render() {

    return (

      <div className='container'>

        <button onClick={()=>{this.setState({name:"Rahil Mansuri"})}}>Chage name</button>

        <h1>{this.state.name}</h1>

        <hr />

        <button onClick={()=>{this.setState({number:this.state.number + 1})}}>+</button>

        <p>{this.state.number}</p>

        <button onClick={()=>{this.setState({number:this.state.number - 1})}}>-</button>

        <hr />

         </div>

    )

  }

}