# Module – 2 Advance JavaScript

1-What is JavaScript Output method?

Ans) JavaScript can "display" data in different ways:

Writing into an HTML element, using innerHTML.

To access an HTML element, JavaScript can use the document.getElementById(id) method.

The id attribute defines the HTML element. The innerHTML property defines the HTML content:

Writing into the HTML output using document.write().

For testing purposes, it is convenient to use document.write()

Writing into an alert box, using window.alert().

You can use an alert box to display data:

Writing into the browser console, using console.log().

For debugging purposes, you can call the console.log() method in the browser to display data.

2-How to used JavaScript Events to do all examples?

Ans-

3-What is React Js?

Ans-React makes it painless to create interactive UIs. Design simple views for each state in your application, and React will efficiently update and render just the right components when your data changes.

Declarative views make your code more predictable and easier to debug.

4-What is NPM in React Js?

Ans-NPM is short for node package manager, an online directory that contains the various already registered open-source packages. NPM modules consume the various functions as a third-party package when installed into an app using the NPM command npm install.

5-What is Role of Node Js in react Js?

Ans-Node is the most popular platform for hosting and running web servers for React apps. After all, using NPM (Node Package Manager), you can install any package with NPM command-line interface CLI. Moreover, Node utilizes Webpack and other modules to turn a React application into an easily compilable single file

6-What is CLI command In React Js?

Ans-ReactCLI is a ReactJS component that provides a simple way to present a command line interface to your user in your web app.

7-What is Components in React Js?

Ans-Components are independent and reusable bits of code. They serve the same purpose as JavaScript functions, but work in isolation and return HTML. Components come in two types, Class components and Function components, in this tutorial we will concentrate on Function components.

8-What is Header and Content Components in React Js?

Ans-Headers are compositions that extend standard navbar functionalities. They contain additional components like a jumbotron, sub-navbar, or image covers which serve as a containers for extra navigation elements - usually links, forms, or call-to-action buttons.

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9-How to install React Js on Windows, linux Operating System? How to install NPM and How to check version of NPM?

Ans-Installation Reactjs on Windows:

Step 1: Install Node.js installer for windows.

Step 2: Open command prompt to check whether it is completely installed or not type the command –>

node –v

Step 3: Now in the terminal run the below command:

npm install -g create-react-app

Step 4:Now Create a new folder where you want to make your react app using the below command:

mkdir newfolder

Step 5: Now inside this folder run the command –>

create-react-app reactfirst YOUR\_APP\_NAME

Step 6: Now open the IDE of your choice

Step 7: To start your app run the below command :

npm start

10-How to check version of React Js?

Ans-create-react-app –version

11-Create Increment decrement state change by button click?

Ans-import {useState} from "react";

function IncDecCounter(){

let [num, setNum]= useState(0);

let incNum =()=>{

if(num<10)

{

setNum(Number(num)+1);

}

};

let decNum = () => {

if(num>0)

{

setNum(num - 1);

}

}

let handleChange = (e)=>{

setNum(e.target.value);

}

return(

<>

<div className="col-xl-1">

<div class="input-group">

<div class="input-group-prepend">

<button class="btn btn-outline-primary" type="button" onClick={decNum}>-</button>

</div>

<input type="text" class="form-control" value={num} onChange={handleChange}/>

<div class="input-group-prepend">

<button class="btn btn-outline-primary" type="button" onClick={incNum}>+</button>

</div>

</div>

</div>

</>

);

}

export default IncDecCounter;

import "../node\_modules/bootstrap/dist/css/bootstrap.min.css";

import "../node\_modules/bootstrap-icons/font/bootstrap-icons.css";

import IncDecCounter from "./IDcounter/IncDecCounter";

function App() {

render(){

return (

<IncDecCounter />

);

}

}

export default App;

12-Explain Life cycle in Class Component and functional component with Hooks

Ans-Before (class-based component):

import React from "react";

class Component extends React.Component {

componentDidMount() {

console.log("Behavior before the component is added to the DOM");

}

render() {

return <h1>Hello World</h1>;

}

};

After (functional component using Hooks):

import React, { useEffect } from "react";

const Component = () => {

useEffect(() => {

console.log("Behavior before the component is added to the DOM");

}, []); // Mark [] here.

return <h1>Hello World</h1>;

};