Enrollment 202101619010074

Machine CS233

SET 5

APP.JSX

import "./App.css"

import Calculator from "./q1/calculator"

import StudentList from "./q2/StudentList"

function App() {

return (

<>

{/\* <h1>Hello React</h1> \*/}

<Calculator></Calculator>

<StudentList></StudentList>

</>

)

}

export default App

Q1

import React, { useState } from "react";

const Calculator=()=>{

const [num1,setNum1]=useState();

const [num2,setNum2]=useState();

const [res,setRes]=useState();

const operand = (op)=>{

let n1 = parseInt(num1,10)

let n2 = parseInt(num2,10)

setRes(eval(n1 + op + n2))

}

return(

<>

<input type='text' value={num1} onChange={(e)=>{setNum1(e.target.value)}} placeholder="Enter First Number"></input>

{/\* {num1} \*/}

<br></br>

<input type='text' value={num2} onChange={(e)=>{setNum2(e.target.value)}} placeholder="Enter Second Number"></input>

{/\* {num2} \*/}

<br></br>

<button type="button" style={{margin:10}} onClick={()=>{operand('+')}}>+</button>

<button type="button" style={{margin:10}} onClick={()=>{operand('-')}}>-</button>

<button type="button" style={{margin:10}} onClick={()=>{operand('\*')}}>\*</button>

<button type="button" style={{margin:10}} onClick={()=>{operand('/')}}>/</button>

<button type="button" style={{margin:10}} onClick={()=>{operand('%')}}>%</button>

<h2>Result : {res}</h2>

</>

);

}

export default Calculator;

Q2

import React from "react";

const StudentList=()=>{

const students=["Rahul","Priya","Amit","Sneha","Karan"]

return(

<>

<h1 style={{"color":"brown"}}>List of Students</h1>

<ol>

{

students.map((value,index)=>{<li key={index}>{value}</li>})

}

</ol>

</>

);

}

export default StudentList;