Exp1:Try to recreate the following pattern using HTML and CSS

```
#c1{
background-color: red;
background-color: yellow;
background-color: green;
width: 400;
height: 400;
```

Exp2:

Implement Drag n Drop feature in HTML5

Exp3:

Demonstrate Event Bubbling with examples

Exp4:

Design a calculator using javascript and css

```
#answer{
             width: 154;
          input{
             width: 35;
             <input type="text" id="answer">
             <input type="button" value="1" onclick="answer.value+='1'">
             <input type="button" value="2" onclick="answer.value+='2'">
             <input type="button" value="3" onclick="answer.value+='3'">
             <input type="button" value="4" onclick="answer.value+='4'">
          <input type="button" value="5" onclick="answer.value+='5'">
              <input type="button" value="6" onclick="answer.value+='6'">
              <input type="button" value="7" onclick="answer.value+='7'">
              <input type="button" value="8" onclick="answer.value+='8'">
              <input type="button" value="9" onclick="answer.value+='9'">
             <input type="button" value="0" onclick="answer.value+='0'">
             <input type="button" value="C" onclick="answer.value=''">
             <input type="button" value="CE"
onclick="answer.value=answer.value.slice(0,-1)">
```

Exp5:

Demonstrate Higher order functions with examplesmap(),reduce(),filter()

```
var x=[1,2,3,4,5]
var y=x.map(x=>x*2)
var z=x.filter(x=>x%2==0)
var w=x.reduce(sum,0)
function sum(value,s){
    return value+s;
}
console.log(x)
console.log(y)
console.log(z)
console.log(z)
```

Exp6:

Create a class component for counter in Reactis

Exp7:

Create a class component for changing the color of text in Reactis

Exp8:

Create a class component for viewing an array of objects in tabular form

```
import React from "react";
function App(){
   const studentList=[
          name: 'rajesh',
          course:'BTECH',
          id:'501',
          name: 'rajesh',
          course:'BTECH',
          name: 'rajesh',
          course:'BTECH',
          name:'rajesh',
          course:'BTECH',
   const list=studentList.map((element)=>{
              {element.id}
              {element.name}
              {element.course}
   return(
                 ID
```

```
NAME
COURSE
```

Exp9:

Display a digital clock in Reactjs

```
import React, {useState, useEffect} from "react";
function App() {
    const[date, setDate] = useState(new Date());
    useEffect(() => {
        setInterval(() => {
            setDate(new Date())
        },1000)
    },[])
    return(
        <div>{date.toLocaleTimeString()}</div>
    )
}
export default App;
```

Exp10:

Demonstarte useState Hook with help of sample text

Exp11:

Demonstrate useEffect Hook with example

Exp12:

Design a BMI Calculator using Reactjs

```
import React,{useState} from "react";
function App(){
    const[height, setHeight] = useState('');
    const[weight, setWeight] = useState('');
    const[bmi,setBmi]=useState('');
    const[message, setMessage] = useState('');
    const bmicalculate=()=>{
        if(height&weight){
        const hinm=height/100;
        const bmiv=(weight/(hinm*hinm)).toFixed(2);
        setBmi(bmiv)
        if(bmiv<16){
        }else if(bmiv>=16 && bmiv<17){</pre>
            m='moderate Thinness';
        }else if(bmiv>=17 && bmi<18.5){
            m='Mild Thinness';
        }else if(bmiv>=18.5&&bmiv<25){</pre>
            m='Normal weight'
        else if(bmiv>=25\&bmiv<30){
            m='Over weight'
        }else if(bmiv>=30&&bmiv<35){</pre>
            m='Obese weight I'
        }else if(bmiv>=35&&bmiv<40){</pre>
            m='Obese weight II'
            m='Obese weight III'
        setMessage(m);
        setBmi('');
        setMessage('');
return(
```