

**UKA TARSADIA UNIVERSITY**  
**BABU MADHAV INSTITUTE OF INFORMATION TECHNOLOGY**  
**M.SC.(IT)**  
**FULL STACK DEVELOPMENT**  
**Practical List - 2**

<b>Name</b>	Meet Patel
<b>Enrollment No</b>	202206100110050

```
1.
import React from 'react'

export default function Pr1() {
  return (
    <div>
      <h1>Welcome to BMIIT Portal</h1>
    </div>
  )
}
```



```
2.
import React from 'react'
import Buttonpr3 from './Buttonpr3'

export default function Pr2() {

  let handle=()=>{
    var news = document.getElementById("demo");
    var par = document.getElementById("par");
    par.textContent = "Breaking News:" + news.value;
  }
  return (
    <>
      <input type="text" id="demo"/>
      <Buttonpr3 text="submit" color="blue" calculate={handle}/>
    </>
  )
}
```

```

    <h1 id="par"></h1>
  </>
)
}

import React from 'react'

export default function Button3(props) {
  return (
    <>
      <button style={{backgroundColor:props.color}}>{props.ptext}</button><br/>
      <button style={{backgroundColor:props.color}}>{props.ntext}</button>
    </>
  )
}

```



3.

```

import React from 'react'
import Buttonpr3 from './Buttonpr3'

export default function Pr3() {
  return (
    <>
      <Buttonpr3 text="Submit" color="blue"/>
      <Buttonpr3 text="Cancel" color="red"/>
    </>
  )
}

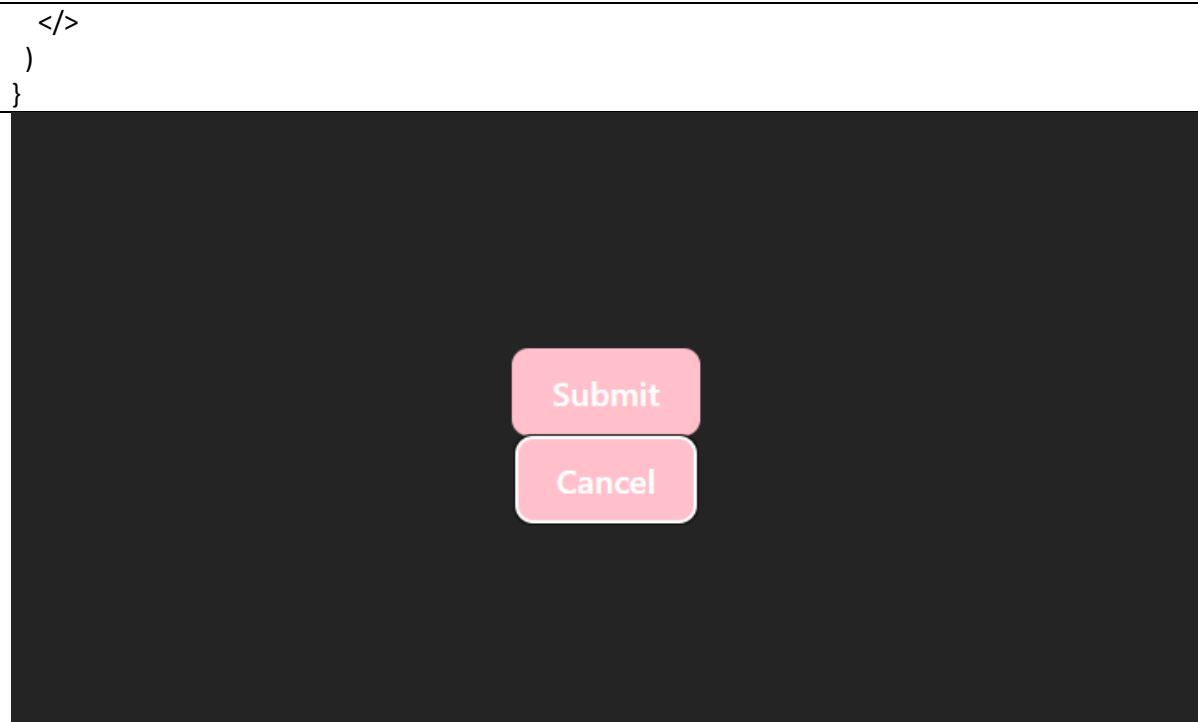
```

```

import React from 'react'

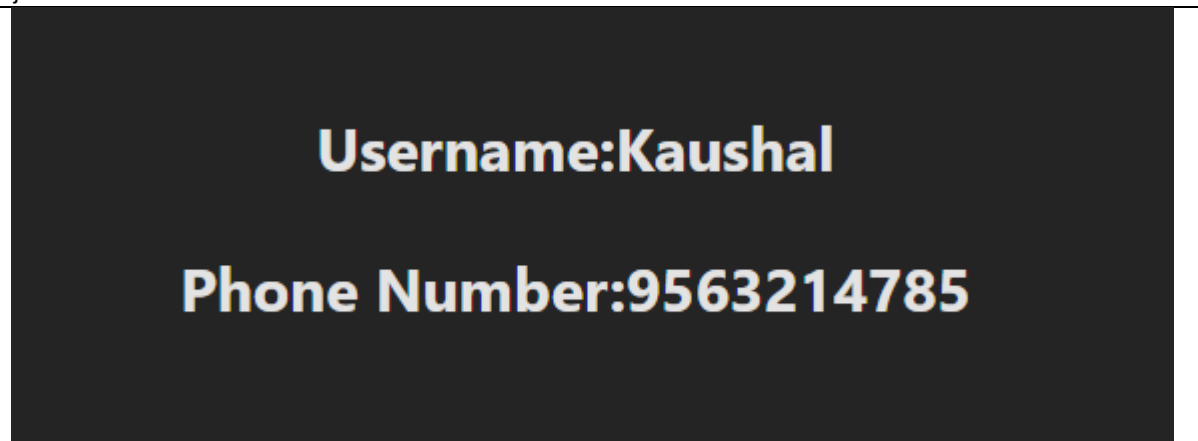
export default function Button3(props) {
  return (
    <>
      <button style={{backgroundColor:props.color}}>{props.ptext}</button><br/>
      <button style={{backgroundColor:props.color}}>{props.ntext}</button>
    </>
  )
}

```



4.  
import React from 'react'

```
export default function Pr4(props) {  
  return (  
    <div>  
      <h3>UserName:{props.username}</h3>  
      <h3>Contact:{props.contact}</h3>  
    </div>  
  )  
}
```



5.  
import React from 'react'

```
export default function Pr5(props) {  
  return (  
    <div>  
      <h1>Name:{props.name}</h1>  
      <h2>Price:{props.price}</h2>  
    </div>  
  )  
}
```

```

    <h3>Des:{props.des}</h3>
  </div>
)
}

```

**Name:Laptop**

**Price:1,30,000**

**Description:Laptop specs are RTX4090 and 12GB RAM with 2TB Storage**

6.

```

import React from 'react'
import Profile from './Profile'

```

```

export default function Pr6(props) {
  return (
    <>
      <Profile name="Kaushal" age="22" bio="I am IT Student"/>
    </>
  )
}

```

```

import React from 'react'

```

```

export default function Profile(props) {
  return (
    <>
      {props.name ? <h2>Name:{props.name}</h2> : ""}
      {props.age ? <h2>Age:{props.age}</h2>: ""}
      {props.bio ? <h2>Bio:{props.bio}</h2>: ""}
      {props.location ? <h2>Location:{props.location}</h2>: ""}
    </>
  )
}

```

**Name:Kaushal**

**Age:22**

**Bio:I am IT Student**

7.

```

import React, { useState } from 'react'
import Profile from '../Profile'

export default function Pr7() {
  const [inputName,setInputName]=useState("")
  const [inputAge,setInputAge]=useState("")
  const [inputLocation,setInputLocation]=useState("")
  const [pr,setP]=useState([])

  const handleName = (event) =>{
    setInputName(event.target.value)
  }

  const handleAge = (event) =>{
    setInputAge(event.target.value)
  }

  const handleLocation = (event) =>{
    setInputLocation(event.target.value)
  }

  const addValue={()=>{
    var temp=[...pr]
    temp.push(
      {
        id:pr.length+1,
        name:inputName,
        age:inputAge,
        location:inputLocation
      }
    )
    setP(temp)
    setInputName()
  }}

  return (
    <>
      <div>
        <input type="text" placeholder="Name" onChange={handleName}/>
        <input type="text" placeholder="Age" onChange={handleAge}/>
        <input type="text" placeholder="Location" onChange={handleLocation}/>
        <button onClick={()=>{addValue()}}>Submit</button>
        <div id="demo">
          {
            pr.map((item)=>{
              return <Profile key={item.id} pro={item}/>
            })
          }
        </div>
      </div>
    </div>
  )
}

```

```
    </>
  )
}

import React from 'react'

export default function Profile(props) {
  return (
    <>
      {props.name ? <h2>Name:{props.name}</h2> : ""}
      {props.age ? <h2>Age:{props.age}</h2> : ""}
      {props.bio ? <h2>Bio:{props.bio}</h2> : ""}
      {props.location ? <h2>Location:{props.location}</h2> : ""}
    </>
  )
}
```

**localhost:5173 says**

Enter Your Location

OK

Cancel

**Name:Kp**

**Age:25**

**Location:Surat**

8.

```

import React, { useState } from 'react'
import Button from './Button';

export default function Pr8() {
  const [count,setCount]=useState(0);

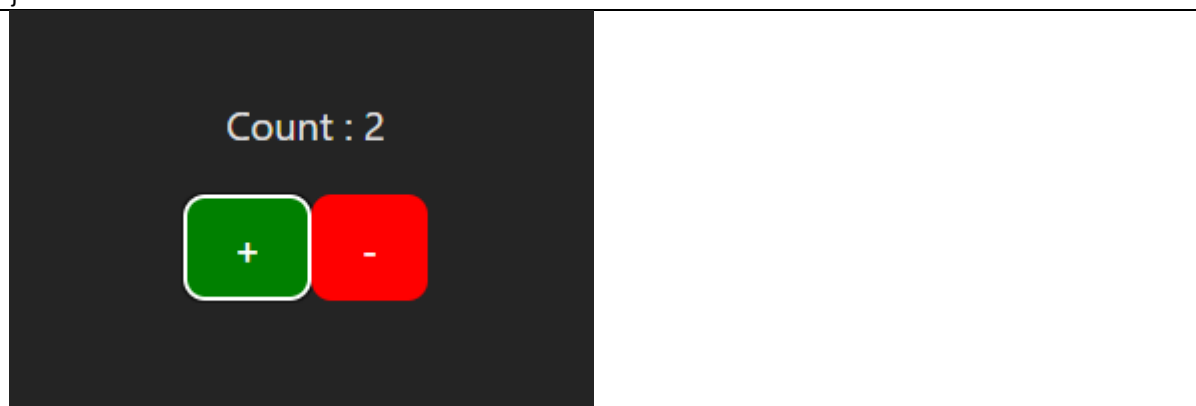
  const handleAdd = () => {
    setCount(count+1)
    // console.log(count)
  }

  const handleSub = () => {
    setCount(count-1)
  }
  console.log(count)
  return (
    <div>
      <button>Count:{count}</button><br />
      <Button text="+" color="blue" calculate={handleAdd}/>
      <Button text="-" color="red" calculate={handleSub}/>
    </div>
  )
}

import React from 'react';

export default function Button({ color, calculate, text }) {
  return (
    <button style={{ backgroundColor: color }} onClick={calculate}>
      {text}
    </button>
  );
}

```



9.

```

import React,{useState} from 'react'

export default function Pr9() {

```

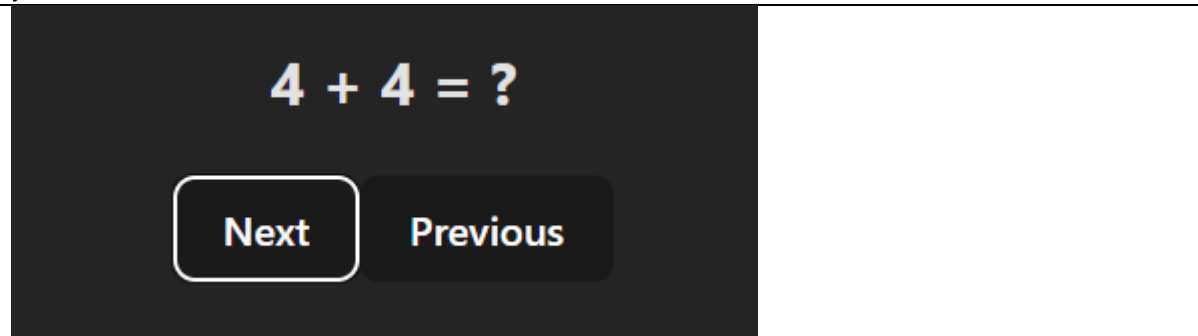
```

var carA = Array("BMW","MG","KIA","TATA")
const [index,setIndex] = useState(0)
const handle = ()=>{
  // cur=cur+1
  // setCar(carA[cur])
  setIndex(index+1)
  if (index == carA.length-1){
    setIndex(0)
  }
}

const handlePre = ()=>{
  // cur=cur+1
  // setCar(carA[cur])
  setIndex(index-1)
  if (index<=0){
    setIndex(carA.length-1)
  }
}

return (
  <>
  <h1>{carA[index]}</h1>
  { /* <input type="text" value={carA[index]} readOnly/> */ }
  <button onClick={handlePre}>Previous</button>
  <button onClick={handle}>Next</button>
</>
)
}

```



10.

```
import React,{useState,useEffect} from 'react'
```

```

export default function Pr10() {
  const mockFetchWeather = () => {
    const cities = ['New York', 'London', 'Tokyo', 'Sydney', 'Paris'];
    const city = cities[Math.floor(Math.random() * cities.length)];
    const temperature = (Math.random() * 30 + 10).toFixed(1);
    return Promise.resolve({ city, temperature });
  };
  const [weather, setWeather] = useState({ city: '', temperature: '' });

  useEffect(() => {

```

```

const fetchWeather = async () => {
  const data = await mockFetchWeather();
  setWeather(data);
};

fetchWeather();

const intervalId = setInterval(fetchWeather, 1000);
return () => clearInterval(intervalId);
}, []);
return (
  <>
    <h2>Weather Update</h2>
    <p>City: {weather.city}</p>
    <p>Temperature: {weather.temperature} °C</p>
  </>
)
}

```

# Weather Update

City: Paris

Temperature: 40.0 °C

11.  
import React, { useEffect, useState } from 'react'

```

export default function Pr11() {
  const [time, setTime] = useState(new Date())
  useEffect(() => {
    setInterval(() => {
      setTime(new Date());
    }, 1000)
  }, [])
  return (
    <>
      <h1>{time.toLocaleTimeString()}</h1>
    </>
  )
}

```

# 7:11:39 pm

12.

```
import React, { useState, useEffect } from 'react';

const mockSuggestions = [
  "apple",
  "banana",
  "grape",
  "orange",
  "pineapple",
  "pear",
  "peach",
  "plum",
  "strawberry",
  "watermelon"
];

export default function Pr12() {
  const [query, setQuery] = useState("");
  const [suggestions, setSuggestions] = useState([]);

  useEffect(() => {
    if (!query) {
      setSuggestions([]);
      return;
    }

    const delayDebounceFn = setTimeout(() => {
      const filtered = mockSuggestions.filter(item =>
        item.toLowerCase().includes(query.toLowerCase())
      );
      setSuggestions(filtered);
    }, 300);

    return () => clearTimeout(delayDebounceFn);
  }, [query]);

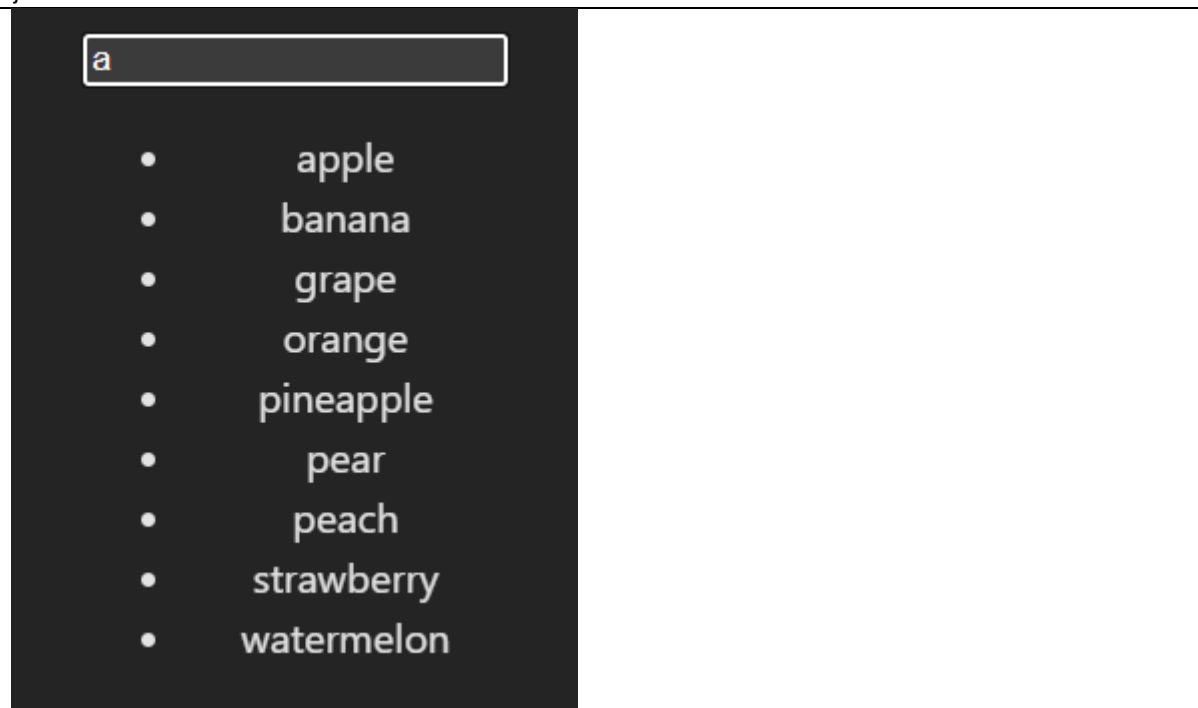
  return (
    <div>
      <input
        type="text"
```

```

placeholder="Search fruits..."
value={query}
onChange={(e) => setQuery(e.target.value)}
/>

{suggestions.length > 0 && (
  <ul>
    {suggestions.map((item, idx) => (
      <li
        key={idx}
        onClick={() => {
          setQuery(item);
          setSuggestions([]);
        }}
      >
        {item}
      </li>
    )}}
  </ul>
)}
</div>
);
}

```



13.

```

import React, { useState } from 'react';

export default function Pr13() {
  const [bg, setBg] = useState("light");

  const handle = () => {
    setBg(prevBg => (prevBg === "light" ? "dark" : "light"));
  };

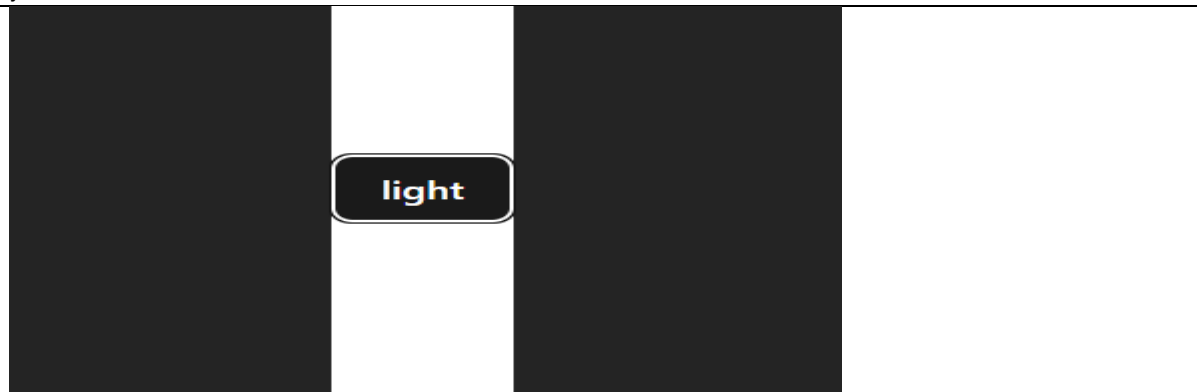
```

```

const styles = {
  backgroundColor: bg === "light" ? "white" : "black",
  height: "100vh",
  display: "flex",
  justifyContent: "center",
  alignItems: "center"
};

return (
  <div style={styles}>
    <button onClick={handle}>{bg}</button>
  </div>
);
}

```



14.

```

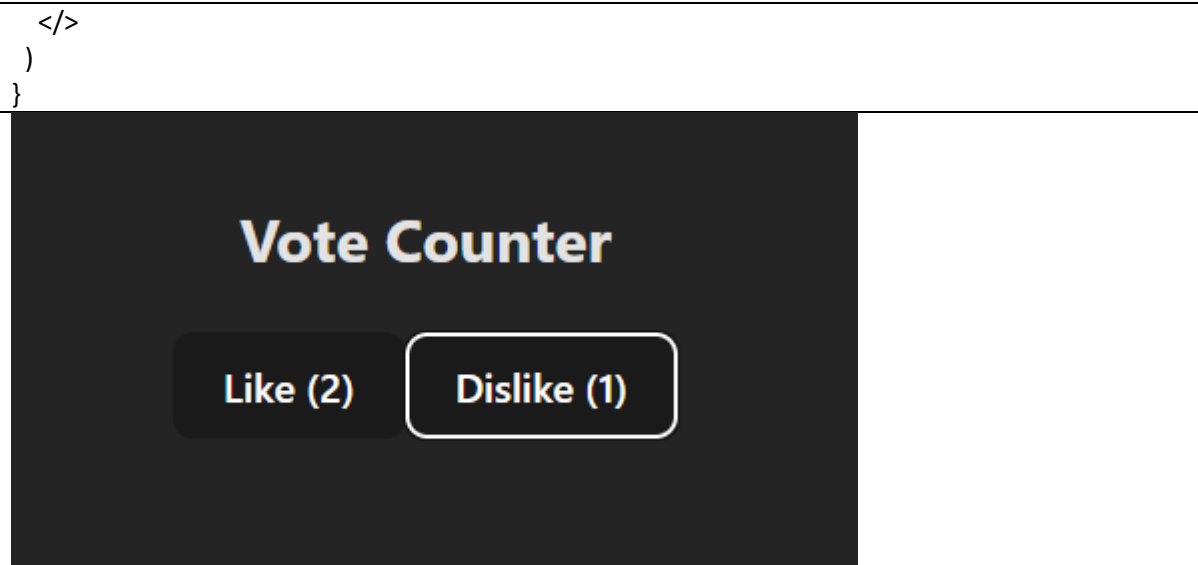
import React,{useState} from 'react'

export default function Pr14() {
  const [likes, setLikes] = useState(0);
  const [dislikes, setDislikes] = useState(0);

  const handleLike = () => {
    setLikes(likes+1);
  };

  const handleDislike = () => {
    setDislikes(dislikes + 1);
  };
  return (
    <>
      <h2>Vote Counter</h2>
      <div>
        <button onClick={handleLike}>
          Like ({likes})
        </button>
        <button onClick={handleDislike}>
          Dislike ({dislikes})
        </button>
      </div>
    </>
  );
}

```



```

15.
import React,{useState} from 'react'

export default function Pr15() {
  const [items, setItems] = useState([]);
  const [itemName, setItemName] = useState("");
  const [itemPrice, setItemPrice] = useState("");

  const handleAddItem = () => {
    const price = parseFloat(itemPrice);

    if (itemName.trim() === "" || isNaN(price) || price < 0) {
      alert('Please enter a valid item name and price.');
```

return;

```
    }

    const newItem = { name: itemName.trim(), price };
    setItems([...items, newItem]);

    setItemName("");
    setItemPrice("");
  }
  const total = items.reduce((acc, item) => acc + item.price, 0);
  return (
    <>
      <div>
        <input
          type="text"
          placeholder="Item Name"
          value={itemName}
          onChange={(e) => setItemName(e.target.value)}
        />
        <input
          type="number"
          placeholder="Price"

```

```

      value={itemPrice}
      onChange={(e) => setItemPrice(e.target.value)}
    />
    <button onClick={handleAddItem}>
      Add Item
    </button>
  </div>

  <ul>
    {items.map((item, index) => (
      <li key={index}>
        {item.name} - {item.price.toFixed(2)}
      </li>
    ))}
  </ul>

  <h3>Total: {total.toFixed(2)}</h3>
  {total > 500 && <p>Free Delivery!</p>}
</>
)
}

```

Item Name Price Add Item

- Mobile - 50000.00

**Total: 50000.00**

Free Delivery!

16.

```
import React,{useState} from 'react'
```

```

export default function Pr16() {
  const [amount,setAmount] = useState(0)
  const [input,setInput] = useState("")
  const handleAdd = ()=> {
    const value = parseFloat(input);
    if (!isNaN(value) && value > 0) {
      setAmount(amount + value);
      setInput("");
    } else {
      alert('Please enter a valid positive number');
    }
  }
}

const handlesub = ()=> {
  const value = parseFloat(input);

```

```

    if (!isNaN(value) && value > 0) {
      setAmount(amount - value);
      setInput("");
    } else {
      alert('Please enter a valid positive number');
    }
  }
}
return (
  <>
    <input type="text" placeholder="Enter Amount" value={input} onChange={(e) =>
setInput(e.target.value)} /><br />
    <input type="submit" value="Deposit" onClick={handleAdd}/>
    <input type="submit" value="Withdraw" onClick={handlesub}/>
    <h3>Amount:</h3>
    {amount < 500 && <p>Low Balance</p>}
    <p>{amount}</p>
  </>
)
}

```

17.

```

import React, { useState } from 'react'

export default function Pr17() {
  const [item,setItem] = useState({name: "",
  email: "",
  course: ""})
  const [form,setForm] = useState([])
  const handleChange = (e) => {
    const { name, value } = e.target;
    setItem(prev => ({
      ...prev,
      [name]: value
    }));
  };
  const handleSubmit = (e) => {
    e.preventDefault();
  }
}

```

```

    setForm(prev => [...prev, item]);

    setItem({
      name: "",
      email: "",
      course: ""
    });
  };
  return (
    <>
      <form onSubmit={handleSubmit}>
        <input type="text" placeholder="Enter Name" name="name" value={item.name}
onChange={handleChange}/>
        <input type="text" placeholder="Enter Email" name="email" value={item.email}
onChange={handleChange}/>
        <input type="text" placeholder="Enter Course" name="course" value={item.course}
onChange={handleChange}/>
        <input type="submit" value="Submit" />
      </form>
      <ul>
        {
          form.map((formItem, index) => (<li key={index}>Name: {formItem.name}, Email:
{formItem.email}, Course: {formItem.course}</li>))
        }
      </ul>
    </>
  )
}

```

Enter Name    Enter Email    Enter Course    Submit

• Name: KP, Email: Kp12@gmail.com, Course: BCA

18.

```
import React, {useState} from 'react'
```

```

export default function Pr18() {
  const [credentials, setCredentials] = useState({
    email: "",
    password: ""
  });

  const handleChange = (e) => {
    const { name, value } = e.target;
    setCredentials(prev => ({
      ...prev,
      [name]: value
    }));
  };
}

```

```

};

const handleSubmit = (e) => {
  e.preventDefault();
  console.log('Login submitted:', credentials);
  setCredentials({
    email:"",
    password:""
  })
};

return (
  <form onSubmit={handleSubmit}>
    <input
      type="email"
      name="email"
      placeholder="Enter Email"
      value={credentials.email}
      onChange={handleChange}
      required
    />
    <input
      type="password"
      name="password"
      placeholder="Enter Password"
      value={credentials.password}
      onChange={handleChange}
      required
    />
    <button type="submit">Login</button>
  </form>
);
}

```

Download the React DevTools for a better development experience.  
<https://react.dev/link/react-devtools>

Login submitted: ▶ Object

>

19.

```
import React,{useState} from 'react'
```

```
export default function Pr19() {
  const [celsius, setCelsius] = useState("");
  const [fahrenheit, setFahrenheit] = useState("");
```

```
const handleCelsius = (e) => {
```

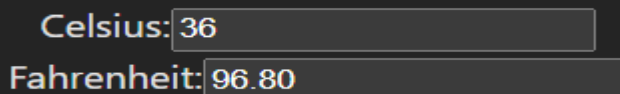
```

const c = e.target.value;
setCelsius(c);

if (c === '' || isNaN(c)) {
  setFahrenheit('');
} else {
  const f = (parseFloat(c) * 9) / 5 + 32;
  setFahrenheit(f.toFixed(2));
}
};

return (
  <div>
    <label>
      Celsius:
      <input
        type="text"
        value={celsius}
        onChange={handleCelsius}
        placeholder="Enter Celsius"
      />
    </label>
    <br />
    <label>
      Fahrenheit:
      <input type="text" value={fahrenheit} readOnly placeholder="Fahrenheit" />
    </label>
  </div>
);
}

```



20.

```
import React,{useState} from 'react'
```

```
export default function Pr20() {
  const [task, setTask] = useState('');
  const [tasks, setTasks] = useState([]);
```

```
  const handleChange = (e) => {
    setTask(e.target.value);
  };

```

```
  const handleAdd = () => {
    if (task.trim() === '') return;

```

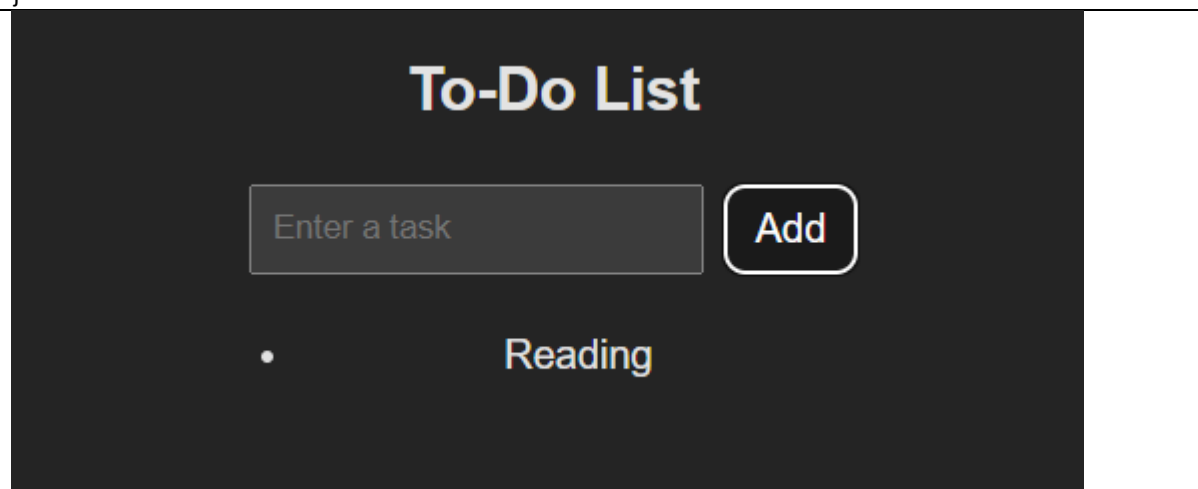
```

    setTasks(prevTasks => [...prevTasks, task.trim()]);
    setTask("");
  };

  return (
    <div style={{ maxWidth: '400px', margin: '0 auto', fontFamily: 'Arial' }}>
      <h2> To-Do List</h2>
      <div style={{ display: 'flex', gap: '8px' }}>
        <input
          type="text"
          placeholder="Enter a task"
          value={task}
          onChange={handleChange}
          style={{ flex: 1, padding: '8px' }}
        />
        <button onClick={handleAdd} style={{ padding: '8px 12px' }}>
          Add
        </button>
      </div>

      <ul style={{ marginTop: '20px', paddingLeft: '20px' }}>
        {tasks.map((t, index) => (
          <li key={index}>{t}</li>
        ))}
      </ul>
    </div>
  );
}

```



```

21.
import React,{useState} from 'react'

export default function Pr21() {
  const [isLoggedIn, setIsLoggedIn] = useState(false);

  const toggleLogin = () => setIsLoggedIn(!isLoggedIn);

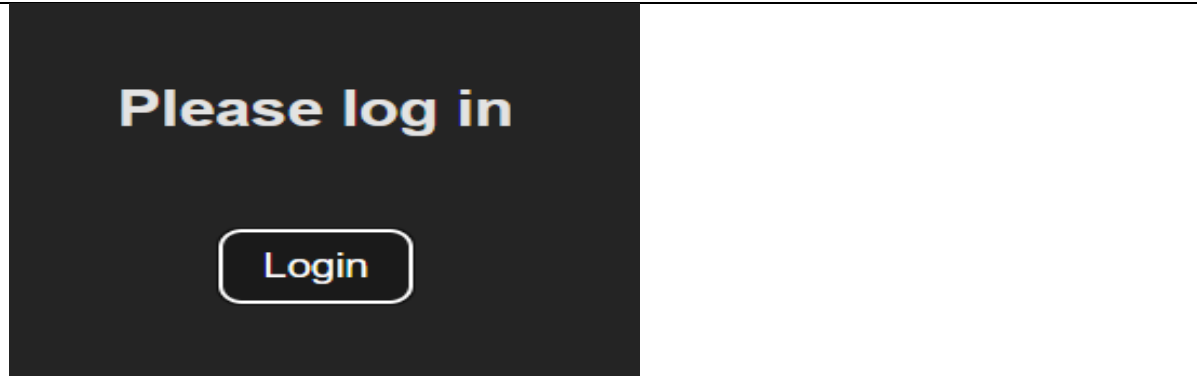
  return (
    <div style={{ textAlign: 'center', marginTop: '50px', fontFamily: 'Arial' }}>

```

```

    {isLoggedIn ? (
      <h2>Welcome, User</h2>
    ) : (
      <h2>Please log in</h2>
    )}
    <button onClick={toggleLogin} style={{ marginTop: '20px', padding: '8px 16px' }}>
      {isLoggedIn ? 'Logout' : 'Login'}
    </button>
  </div>
);
}

```



22.

```
import React,{useState} from 'react'
```

```
export default function Pr22() {
```

```
  const [marks, setMarks] = useState("");
```

```
  const [result, setResult] = useState(null);
```

```
  const handleChange = (e) => {
```

```
    setMarks(e.target.value);
```

```
  };
```

```
  const handleSubmit = (e) => {
```

```
    e.preventDefault();
```

```
    const numMarks = Number(marks);
```

```
    if (isNaN(numMarks) || marks === "" || numMarks >= 100) {
```

```
      setResult('Please enter a valid number');
```

```
    } else if (numMarks >= 40 && numMarks < 100) {
```

```
      setResult('Pass');
```

```
    } else {
```

```
      setResult('Fail');
```

```
    }
```

```
  };
```

```
  return (
```

```
    <div>
```

```
      <h2>Result Portal</h2>
```

```
      <form onSubmit={handleSubmit}>
```

```
        <input
```

```
          type="text"
```

```

        placeholder="Enter Marks"
        value={marks}
        onChange={handleChange}
      />
      <button type="submit">
        Check Result
      </button>
    </form>

    {result && (
      <div>
        {result}
      </div>
    )}
  </div>
);
}

```

23.

```
import React,{useState} from 'react'
```

```

export default function Pr23() {
  const products = [
    { name: 'Mobile', price: 700 },
    { name: 'Headphones', price: 400 },
    { name: 'Charger', price: 300 }
  ];

  const [quantities, setQuantities] = useState({
    Mobile: 0,
    Headphones: 0,
    Charger: 0
  });

  const handleQuantityChange = (e, productName) => {
    const value = parseInt(e.target.value);
    if (isNaN(value) || value < 0) return;
    setQuantities(prev => ({
      ...prev,
      [productName]: value
    }));
  };
}

```

```

    });
  };

  const total = products.reduce((sum, product) => {
    return sum + product.price * (quantities[product.name] || 0);
  }, 0);

  return (
    <div>
      <h2>Shopping Cart</h2>
      <table>
        <thead>
          <tr>
            <th>Product</th>
            <th>Price (₹)</th>
            <th>Quantity</th>
          </tr>
        </thead>
        <tbody>
          {products.map(product => (
            <tr key={product.name}>
              <td>{product.name}</td>
              <td>{product.price}</td>
              <td>
                <input
                  type="number"
                  min="0"
                  value={quantities[product.name]}
                  onChange={e => handleQuantityChange(e, product.name)}
                />
              </td>
            </tr>
          ))}
        </tbody>
      </table>

      <h3>Total: {total}</h3>

      {total > 1000 && <p>You got a discount!</p>}
    </div>
  );
}

```

## Shopping Cart

Product	Price (₹)	Quantity
Mobile	700	<input type="text" value="02"/>
Headphones	400	<input type="text" value="3"/>
Charger	300	<input type="text" value="3"/>

**Total: 3500**

You got a discount!

24.

```
import React,{useState } from 'react'
```

```
export default function Pr24() {
```

```
  const products = [
```

```
    { name: 'Mobile', quantity: 5 },
```

```
    { name: 'Headphones', quantity: 0 },
```

```
    { name: 'Charger', quantity: 3 }
```

```
  ];
```

```
  return (
```

```
    <div>
```

```
      <h2>Product Availability</h2>
```

```
      <ul>
```

```
        {products.map((product, index) => (
```

```
          <li key={index}>
```

```
            {product.name} - {product.quantity > 0 ? 'In Stock' : 'Out of Stock'}
```

```
          </li>
```

```
        )))
```

```
      </ul>
```

```
    </div>
```

```
  );
```

```
}
```

## Product Availability

- Mobile - In Stock
- Headphones - Out of Stock
- Charger - In Stock

25.

```
import React from 'react'
```

```
export default function Pr25() {
  const books = [
    { id: 1, title: 'To Kill a Mockingbird', status: 'Available' },
    { id: 2, title: '1984', status: 'Checked Out' },
    { id: 3, title: 'The Great Gatsby', status: 'Available' },
    { id: 4, title: 'Pride and Prejudice', status: 'Checked Out' }
  ];

  return (
    <div>
      <h2>Available Books</h2>
      <ul>
        {books.map(book =>
          book.status === "Available" ? (
            <li key={book.id}>{book.title}</li>
          ) : null
        )}
      </ul>
    </div>
  );
}
```

## Available Books

- To Kill a Mockingbird
- The Great Gatsby

26.

```
import React,{useState} from 'react'
```

```
export default function Pr26() {
  const doctors = [
    'Dr. Smith',
    'Dr. Johnson',
    'Dr. Williams',
    'Dr. Brown'
  ];

  const [confirmation, setConfirmation] = useState('');

  const handleBooking = (doctor) => {
    setConfirmation(`Appointment confirmed with ${doctor}`);
  };

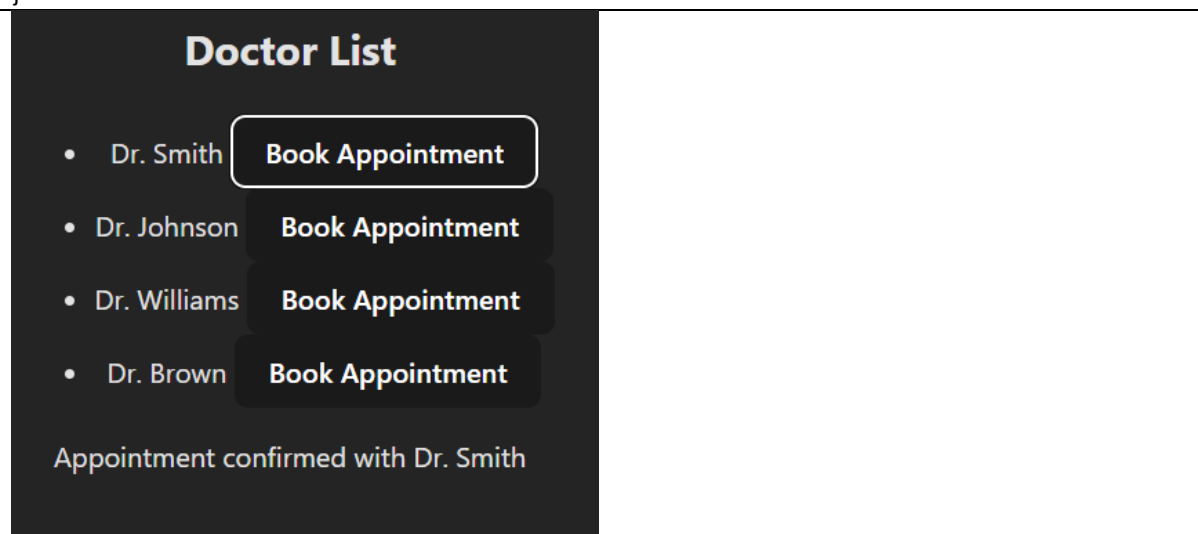
  return (
    <div>
      <h2>Doctor List</h2>
      <ul>
```

```

    {doctors.map((doctor, index) => (
      <li key={index}>
        {doctor}{' '}
        <button onClick={() => handleBooking(doctor)}>Book Appointment</button>
      </li>
    ))}
  </ul>

  {confirmation && (
    <p>{confirmation}</p>
  )}
</div>
);
}

```



27.

```

import React,{useState} from 'react'

export default function Pr27() {
  const songs = [
    'Bohemian Rhapsody',
    'Imagine',
    'Stairway to Heaven',
    'Hey Jude',
    'Hotel California'
  ];

  const [currentSong, setCurrentSong] = useState(null);

  const handleClick = (song) => {
    setCurrentSong(song);
  };

  return (
    <div>
      <h2>Songs</h2>
      <ul>

```

```

    {songs.map((song, index) => (
      <li
        key={index}
        onClick={() => handleClick(song)}
        className={currentSong === song ? 'active' : ''}
      >
        {song}
      </li>
    ))}
  </ul>

  {currentSong && (
    <p><strong>Now Playing:</strong> {currentSong}</p>
  )}
</div>
);
}

```

## Songs

- Bohemian Rhapsody
- Imagine
- Stairway to Heaven
- Hey Jude
- Hotel California

28.

import React from 'react'

```

export default function Pr28() {
  const employees = [
    { id: 1, name: 'Alice Johnson' },
    { id: 2, name: 'Bob Smith' },
    { id: 3, name: 'Charlie Brown' },
    { id: 4, name: 'David Lee' },
    { id: 5, name: 'Eva White' }
  ];

```

```

  return (
    <div>
      <h2>Employee List</h2>
      <table>
        <thead>
          <tr>
            <th>ID</th>
            <th>Name</th>
          </tr>

```

```

    </thead>
    <tbody>
      {employees.map((employee) => (
        <tr key={employee.id}>
          <td>{employee.id}</td>
          <td>{employee.name}</td>
        </tr>
      ))}
    </tbody>
  </table>
</div>
);
}

```

## Employee List

ID	Name
1	Alice Johnson
2	Bob Smith
3	Charlie Brown
4	David Lee
5	Eva White

29.

import React from 'react'

```

export default function Pr29() {
  const movies = [
    { title: 'Inception', rating: 8.8 },
    { title: 'The Dark Knight', rating: 9.0 },
    { title: 'Interstellar', rating: 8.6 },
    { title: 'The Prestige', rating: 8.5 },
    { title: 'Memento', rating: 8.4 },
    { title: 'The Matrix', rating: 8.7 },
    { title: 'Fight Club', rating: 8.8 },
    { title: 'Forrest Gump', rating: 8.8 }
  ];

  return (
    <div>
      <h2>Movie Ratings</h2>
      <ul>
        {movies.map((movie, index) => (
          <li key={index}>
            {movie.rating > 8 ? (
              <strong>{movie.title} - {movie.rating}</strong>
            ) : (
              `${movie.title} - ${movie.rating}`
            )}
          </li>
        ))}
      </ul>
    </div>
  );
}

```

```

    </li>
  )))
</ul>
</div>
);
}

```

## Movie Ratings

- Inception - 8.8
- The Dark Knight - 9
- Interstellar - 8.6
- The Prestige - 8.5
- Memento - 8.4
- The Matrix - 8.7
- Fight Club - 8.8
- Forrest Gump - 8.8

```

30.
import React,{useState,useEffect} from 'react'

export default function Pr30() {
  const [content, setContent] = useState("");
  const [savedContent, setSavedContent] = useState("");

  useEffect(() => {
    const savedDraft = localStorage.getItem('blogDraft');
    if (savedDraft) {
      setContent(savedDraft);
      setSavedContent(savedDraft);
    }

    const interval = setInterval(() => {
      if (content !== savedContent) {
        setSavedContent(content);
        localStorage.setItem('blogDraft', content);
        console.log('Draft saved:', content);
      }
    }, 5000);

    return () => clearInterval(interval);
  }, [content, savedContent]);

  const handleChange = (e) => {
    setContent(e.target.value);
  };

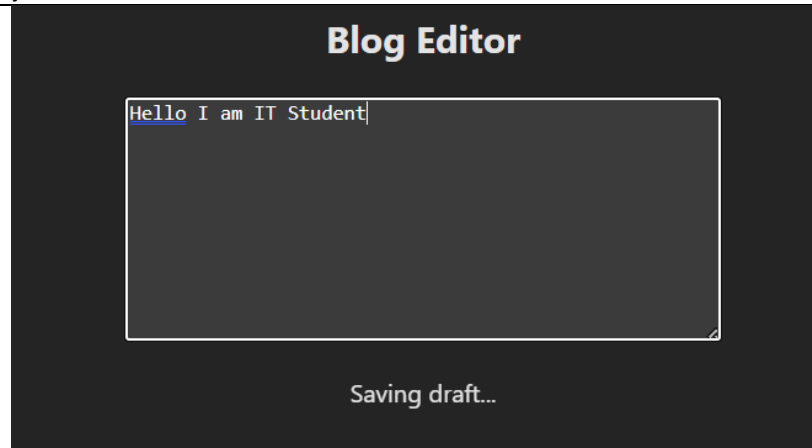
  return (
    <div>
      <h2>Blog Editor</h2>
      <textarea>

```

```

    value={content}
    onChange={handleChange}
    placeholder="Write your blog post..."
    rows="10"
    cols="50"
  />
  <p>{content ? 'Saving draft...' : 'Start typing to save draft'}</p>
</div>
);
}

```



```

31.
import React, { useState, useEffect } from 'react';
import './App.css';

const StudentCard = ({ name, age, course }) => {
  return (
    <div className="student-card">
      <h3>{name}</h3>
      <p>Age: {age}</p>
      <p>Course: {course}</p>
    </div>
  );
};

function App() {
  const [students, setStudents] = useState([]);
  const [name, setName] = useState("");
  const [age, setAge] = useState("");
  const [course, setCourse] = useState("");

  useEffect(() => {
    if (students.length > 0) {
      console.log('Student list updated');
    }
  }, [students]);
  useEffect(() => {
    document.title = `${students.length} Students Registered`;
  }, [students]);
  const handleSubmit = (e) => {

```

```

e.preventDefault();
if (name && age && course) {
  const newStudent = { name, age, course };
  setStudents([...students, newStudent]);
  setName("");
  setAge("");
  setCourse("");
}
};

return (
  <div className="App">
    <h1>Welcome to Student Management Dashboard</h1>

    <form onSubmit={handleSubmit} className="registration-form">
      <input
        type="text"
        placeholder="Enter Name"
        value={name}
        onChange={(e) => setName(e.target.value)}
      />
      <input
        type="number"
        placeholder="Enter Age"
        value={age}
        onChange={(e) => setAge(e.target.value)}
      />
      <input
        type="text"
        placeholder="Enter Course"
        value={course}
        onChange={(e) => setCourse(e.target.value)}
      />
      <button type="submit">Register Student</button>
    </form>
    <div className="student-list">
      {students.length === 0 ? (
        <p>No students registered yet.</p>
      ) : (
        students.map((student, index) => (
          <StudentCard
            key={index}
            name={student.name}
            age={student.age}
            course={student.course}
          />
        ))
      )}
    </div>
  </div>
);

```

```
}

```

```
export default App;

```

## Welcome to Student Management Dashboard

Enter Name Enter Age Enter Course Register Student

Kp

Age: 22

Course: BCA

32.

```
import React, { useState, useEffect } from "react";

```

```
function ProductCard({ name, price, stock, onAddToCart }) {

```

```
  return (
    <div>
      <h3>{name}</h3>
      <p>Price: ${price.toFixed(2)}</p>
      <p>{stock > 0 ? "In Stock" : "Out of Stock"}</p>
      <button onClick={onAddToCart} disabled={stock === 0}>
        Add to Cart
      </button>
      <hr />
    </div>
  );
}
```

```
export default function Pr32() {

```

```
  // Products array
  const productsData = [
    { id: 1, name: "Laptop", price: 999.99, stock: 5 },
    { id: 2, name: "Headphones", price: 199.99, stock: 0 },
    { id: 3, name: "Smartphone", price: 799.99, stock: 10 },
    { id: 4, name: "Keyboard", price: 49.99, stock: 2 },
    { id: 5, name: "Monitor", price: 299.99, stock: 4 },
  ];

```

```
  const [cartCount, setCartCount] = useState(0);
  const [searchTerm, setSearchTerm] = useState("");

```

```
  // Update document title and log on cart change
  useEffect(() => {
    document.title = `Cart (${cartCount} item${cartCount !== 1 ? "s" : ""})`;
    console.log(`Cart updated: ${cartCount} item${cartCount !== 1 ? "s" : ""}`);
  }, [cartCount]);

```

```
  // Filter products by search term (case-insensitive)
  const filteredProducts = productsData.filter((product) =>
    product.name.toLowerCase().includes(searchTerm.toLowerCase())
  );

```

```

return (
  <div>
    <h1>Welcome to My Online Store</h1>

    <input
      type="text"
      placeholder="Search products..."
      value={searchTerm}
      onChange={(e) => setSearchTerm(e.target.value)}
    />

    <p>Cart Items: {cartCount}</p>

    {filteredProducts.length > 0 ? (
      filteredProducts.map(({ id, name, price, stock }) => (
        <ProductCard
          key={id}
          name={name}
          price={price}
          stock={stock}
          onAddToCart={() => setCartCount(cartCount + 1)}
        />
      ))
    ) : (
      <p>No products found</p>
    )}
  </div>
);
}

```

