

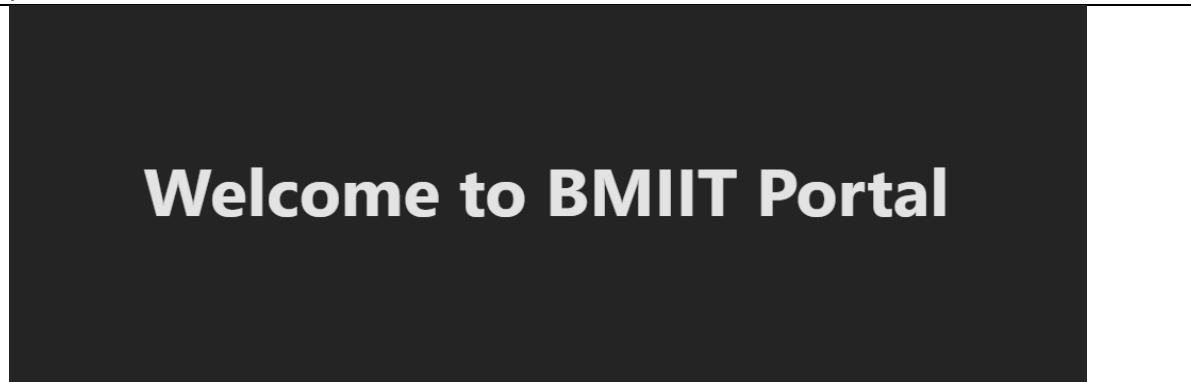
**UKA TARSADIA UNIVERSITY**  
**BABU MADHAV INSTITUTE OF INFORMATION TECHNOLOGY**  
**M.SC.(IT)**  
**FULL STACK DEVELOPMENT**  
**Practical List - 2**

Name	Meet Patel
Enrollment No	202206100110050

1.

```
import React from 'react'

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



Welcome to BMIIT Portal

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'

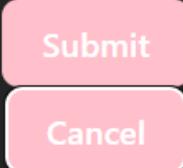
export default function Pr3() {
  return (
    <>
      <Buttonpr3 text="Submit" color="blue"/>
      <Buttonpr3 text="Cancel" color="red"/>
    </>
  )
}

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>
    </>
  )
}

```

```
</>
)
}
```

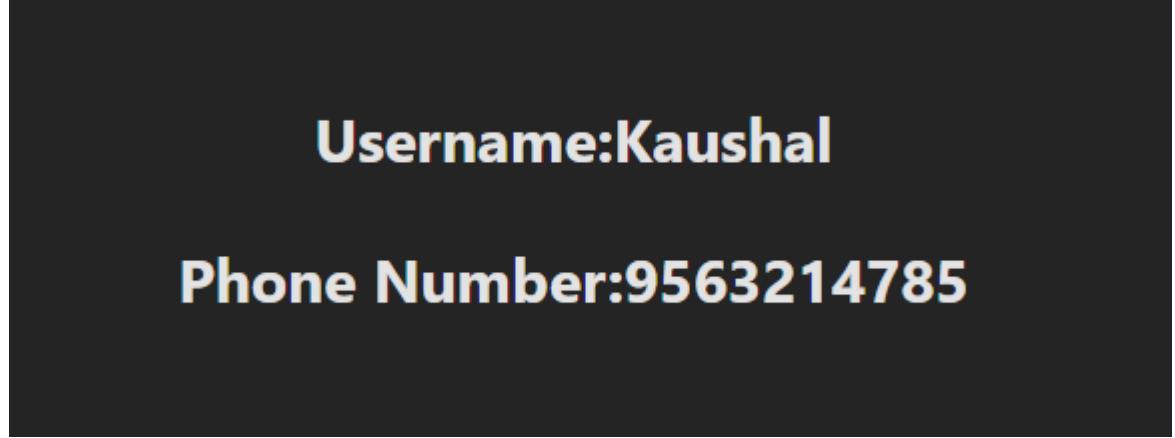


```
Submit  
Cancel
```

4.

```
import React from 'react'

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



**Username:Kaushal**

**Phone Number:9563214785**

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()
  }

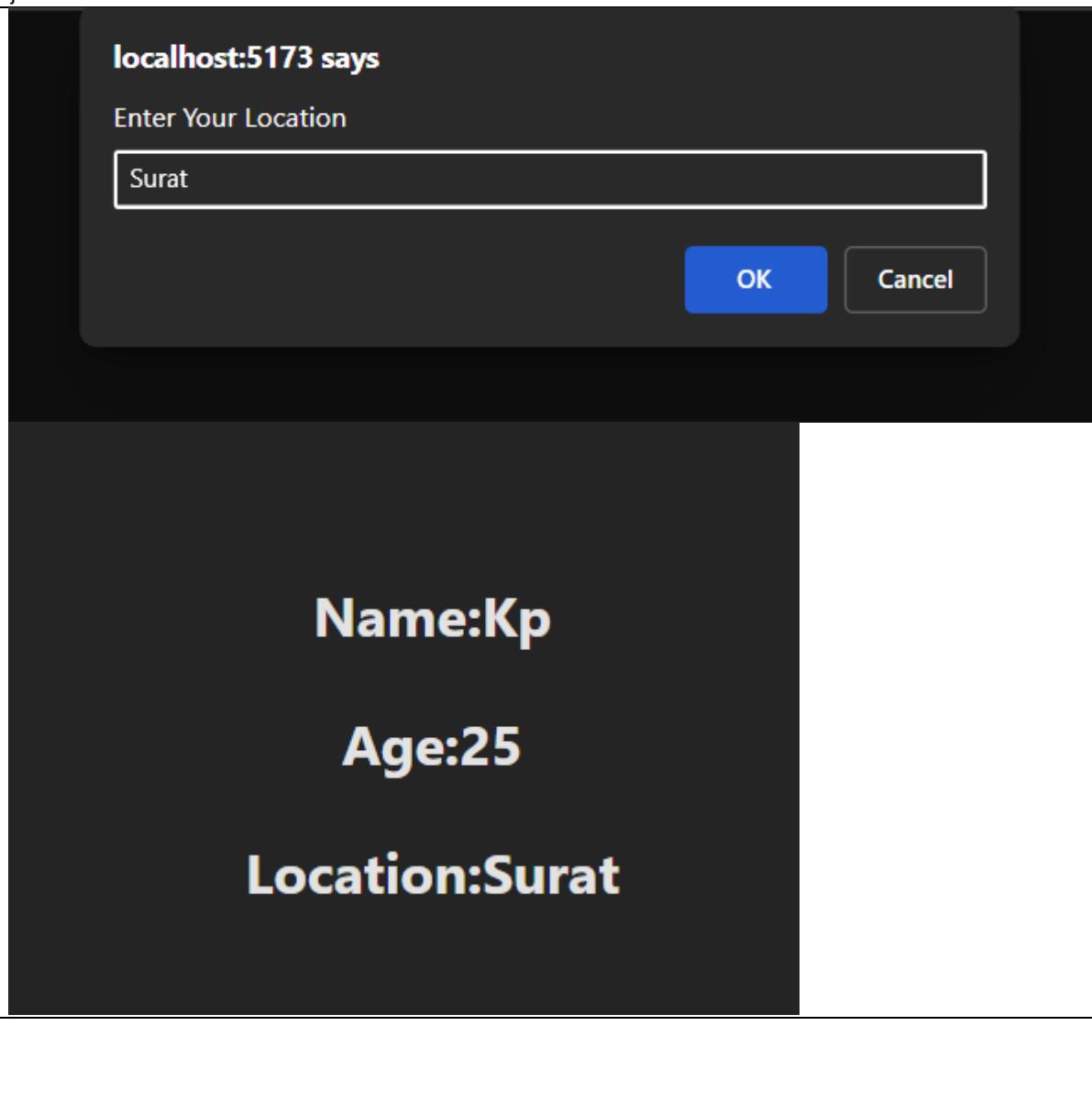
  return (
    <>
    <div>
    <input type="text" placeholder="Name" onChange={handleName}/>
    <input type="text" placeholder="Age" onChange={handleAge}/>
    <input type="text" placeholder="Location" onChange={handleLocation}/>
    <button onClick={() => {addValue()}}>Submit</button>
    <div id="demo">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

```

```
</>
)
}

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>: ""}
</>
)
}
```



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>
  );
}
```

Count : 2



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>
    </>
)
}

```

**4 + 4 = ?**

**Next**

**Previous**

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"

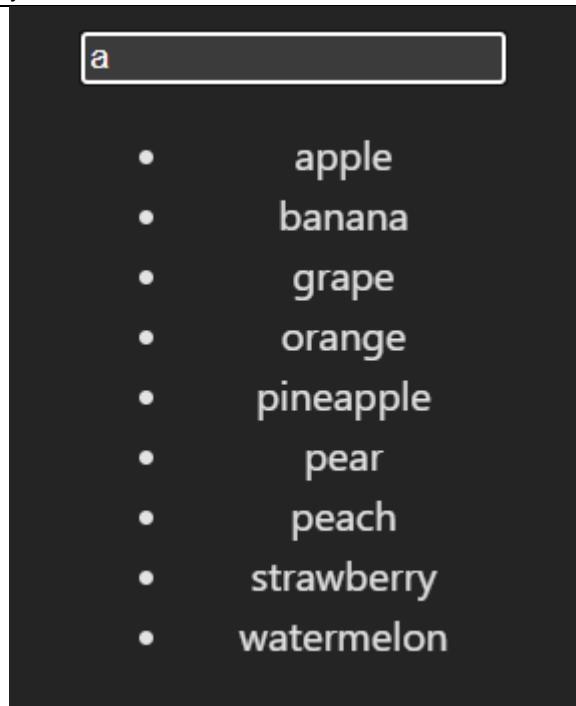
```

```

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>
    </>
  )
}

```

```

        </>
    )
}

```

## Vote Counter

**Like (2)**

**Dislike (1)**

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"
      >
    </div>
  );
}

```

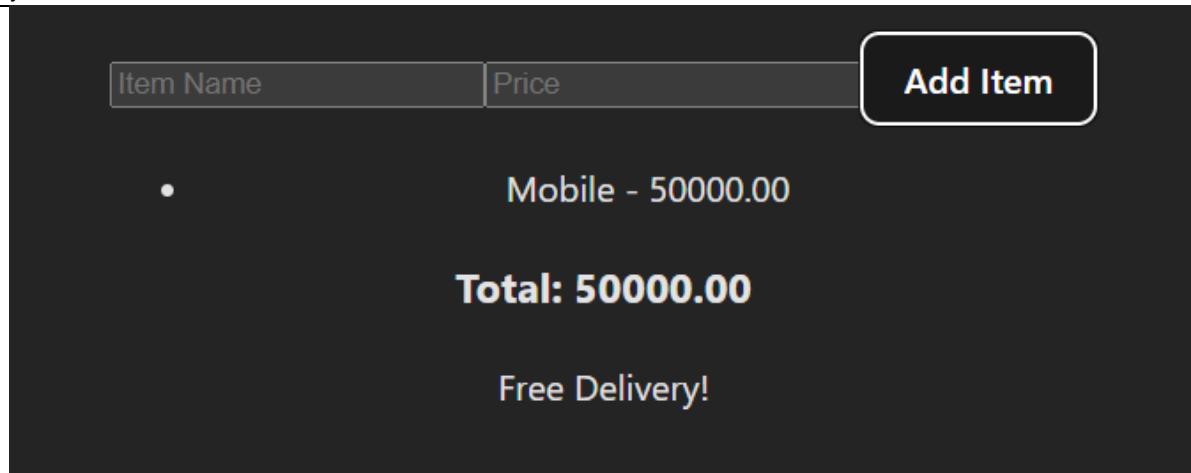
```

        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>}
  </>
)
}

```



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);
  }
}

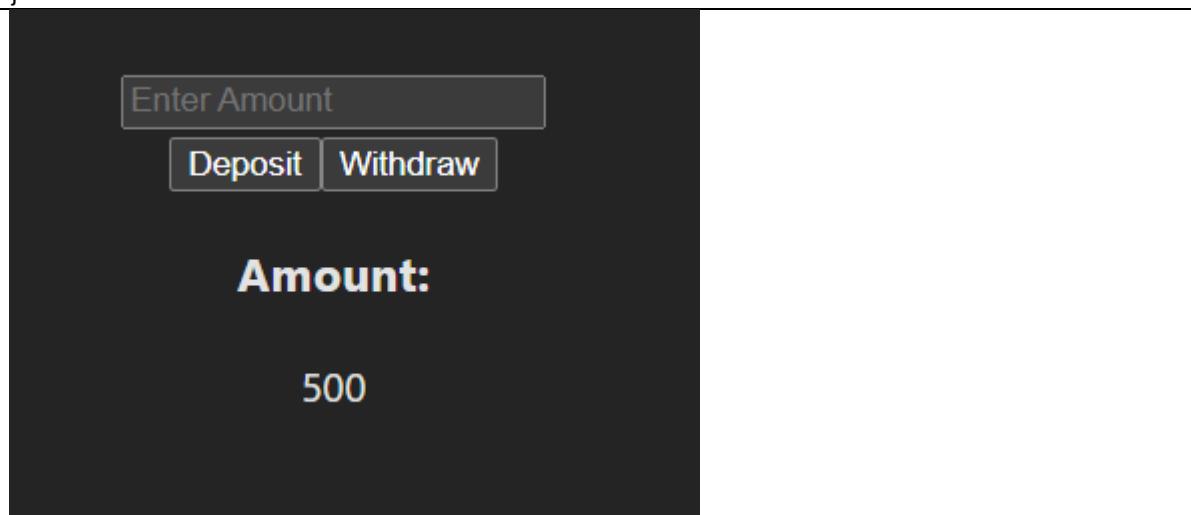
```

```

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();
  }
}

```

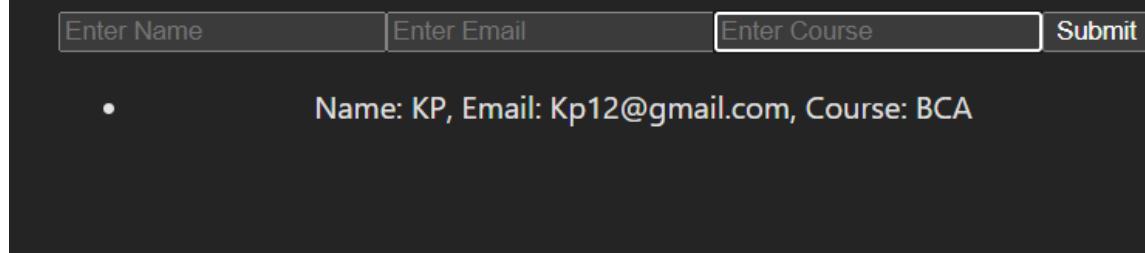
```

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>
</>
)
}
}

```



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 dev  
<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) => {

```

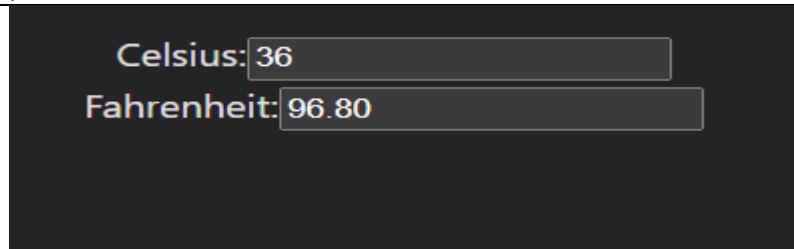
```

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>
);
}

```



Celsius: 36

Fahrenheit: 96.80

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;
  };
}

```

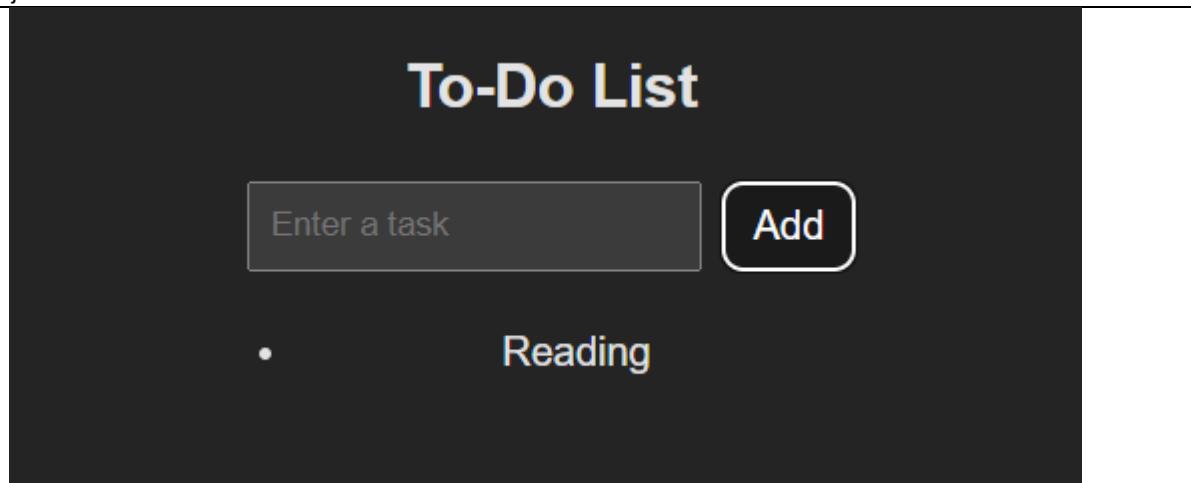
```

    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"

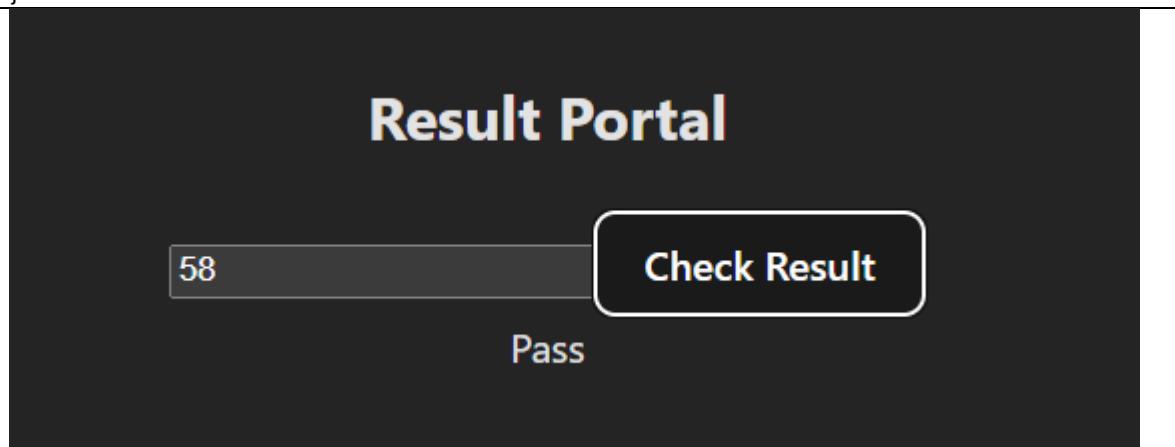
```

```

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	02
Headphones	400	3
Charger	300	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>
);
}
}

```

**Doctor List**

- Dr. Smith **Book Appointment**
- Dr. Johnson **Book Appointment**
- Dr. Williams **Book Appointment**
- Dr. Brown **Book Appointment**

Appointment confirmed with Dr. Smith

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>
));
}

{
  {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>

```

```

        </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}`
                        )}
                
            ))}
        </ul>
    );
}

```

```

        </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	<b>Register Student</b>
<b>Kp</b>			
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>
);
}

```

