UNIVERS!	Course Name: Advanced Web Technology	EXPERIMENT NO. 7	
	Course Code: 20CP314P Faculty: Komal Singh	Branch: CSE	Semester: VI
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Objective: Working with states in React

- a) Create a counter based on react states using both the approaches class component as well as functional component.
- b) In the commercial furniture web-application add a like button under each product in the products page using react states.

Note: Please include snapshots of all commands, terminal sessions, localhost outputs, and log files in your documentation with necessary steps.

Like Feature using useState hook with Functional Component

```
function ProductCard({ product }) {
const [likes, setLikes] = useState(0);
 return (
  <div className="product-card">
   <img src={product.imageUrl} alt={product.name} />
   <h3>{product.name}</h3>
   ${product.price || 'Price not available'}
   Color: {product.color || 'Color not specified'}
   Manufacturer: {product.manufacturer || 'Manufacturer unknown'}
   <button onClick={() => setLikes(likes + 1)} className="like-button">Like</button>
   {likes} Likes
  </div>
);
.like-button {
background-color: #ff4081;
color: white;
border: none;
 border-radius: 4px;
 padding: 8px 16px;
 margin-top: 8px;
 cursor: pointer;
 font-size: 1rem;
```

```
.like-button:hover {
background-color: #c60055;
}
```

Like Feature using useState hook using Class Components

```
class ProductCard extends React.Component {
 constructor(props) {
  super(props);
  this.state = { likes: 0 };
 render() {
  const { product } = this.props;
  return (
   <div className="product-card">
    <img src={product.imageUrl} alt={product.name} />
    <h3>{product.name}</h3>
    ${product.price || 'Price not available'}
    Color: {product.color || 'Color not specified'}
    Manufacturer: {product.manufacturer || 'Manufacturer
unknown'}
    <br/><button onClick={() => this.setState({ likes: this.state.likes + 1 })}
className="like-button">Like</button>
    {this.state.likes} Likes
   </div>
  );
function Products() {
 return (
  <div className="container">
   <h1>Our Products</h1>
   <div className="product-grid">
    {products.map(product => (
     <ProductCard key={product.id} product={product} />
    ))}
   </div>
```

```
</div>
);
```

export default Products;

Home Products Customer Review

Our Products



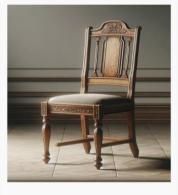
Elegant Sofa

\$499.99

Color: Gray

Manufacturer: Comfy Home

1 Likes



Classic Wooden Chair

\$249.99

Color: Brown

Manufacturer: Wood Crafters

1 Likes



Modern Coffee Table

\$299.99

Color: Black

Manufacturer: Table Trends

0 Likes



Luxury Bed

\$899.99

Color: White

Manufacturer: Manufacturer unknown

0 Likes



Generic Chair

\$99.99

Color: Color not specified

Manufacturer: Manufacturer unknown

1 Likes