# Day-20 Evening Assessment

ONCLICK

1.   
function ClickLogger() {  
 return <button onClick={() => console.log("Clicked!")}>Click Me</button>;  
}  
  
2.   
function AlertButton() {  
 const showAlert = (msg) => alert(msg);  
 return <button onClick={() => showAlert("Hello from onClick!")}>Alert</button>;  
}  
  
3.   
function ImageGallery() {  
 const images = ["img1.jpg", "img2.jpg", "img3.jpg"];  
 const [main, setMain] = React.useState(images[0]);  
 return (  
<>  
<img src={main} alt="main" width="200" />  
<div>  
       {images.map((img, i) => (  
<img key={i} src={img} alt="thumb" width="50" onClick={() => setMain(img)} />  
       ))}  
</div>  
</>  
 );  
}  
  
 4.   
function VotingButton() {  
 const [votes, setVotes] = React.useState(0);  
 return <button onClick={() => setVotes(v => v + 1)}>Votes: {votes}</button>;  
}  
  
5.   
function ColorParagraph() {  
 const [color, setColor] = React.useState("black");  
 return (  
<p style={{ color }} onClick={() => setColor(color === "black" ? "red" : "black")}>  
     Click me to change my color!  
</p>  
 );  
}

6.   
function ShowHideParagraph() {  
 const [visible, setVisible] = React.useState(true);  
 return (  
<>  
<button onClick={() => setVisible(v => !v)}>{visible ? "Hide" : "Show"}</button>  
     {visible && <p>This is a paragraph.</p>}  
</>  
 );  
}  
  
7.   
function QuizButton() {  
 const correctAnswer = "B";  
 const checkAnswer = (ans) => alert(ans === correctAnswer ? "Correct!" : "Wrong!");  
 return (  
<>  
<button onClick={() => checkAnswer("A")}>Option A</button>  
<button onClick={() => checkAnswer("B")}>Option B</button>  
</>  
 );  
}  
  
8.   
function AddItemList() {  
 const [items, setItems] = React.useState(["Item 1"]);  
 return (  
<>  
<button onClick={() => setItems([...items, `Item ${items.length + 1}`])}>Add Item</button>  
<ul>{items.map((item, i) => <li key={i}>{item}</li>)}</ul>  
</>  
 );  
}  
  
9.   
function ColorSquare() {  
 const colors = ["red", "green", "blue", "orange"];  
 const [index, setIndex] = React.useState(0);  
 return (  
<div  
     style={{  
       width: 100,  
       height: 100,  
       backgroundColor: colors[index]  
     }}  
     onClick={() => setIndex((index + 1) % colors.length)}  
></div>  
 );  
}  
  
 10.   
function ResetInput() {  
 const [text, setText] = React.useState("");  
 return (  
<>  
<input value={text} onChange={e => setText(e.target.value)} />  
<button onClick={() => setText("")}>Reset</button>  
</>  
 );  
}

 COMPONENTS

1.   
function Header({ title }) {  
 return <h1>{title}</h1>;  
}  
  
2.   
class Footer extends React.Component {  
 render() {  
   return <footer>© {new Date().getFullYear()}</footer>;  
 }  
}  
  
3.   
function Sidebar() {  
 return <aside style={{ width: "25%", background: "#ddd" }}>Sidebar</aside>;  
}  
function MainContent() {  
 return <main style={{ width: "75%" }}>Main Content</main>;  
}  
function Layout() {  
 return (  
<div style={{ display: "flex" }}>  
<Sidebar />  
<MainContent />  
</div>  
 );  
}  
  
4.   
function MyButton({ label }) {  
 return <button>{label}</button>;  
}  
function ButtonDemo() {  
 return (  
<>  
<MyButton label="Save" />  
<MyButton label="Cancel" />  
<MyButton label="Delete" />  
</>  
 );  
}  
  
5.   
function ProfileCard({ img, name, desc }) {  
 return (  
<div style={{ border: "1px solid gray", padding: 10 }}>  
<img src={img} alt={name} width="100" />  
<h3>{name}</h3>  
<p>{desc}</p>  
</div>  
 );  
}  
  
6.   
function Weather({ temp, condition }) {  
 return <p>{temp}°C - {condition}</p>;  
}

7.   
function NavBar() {  
 return (  
<nav>  
<a href="/">Home</a> | <a href="/about">About</a> | <a href="/contact">Contact</a>  
</nav>  
 );  
}  
  
8.   
function Counter({ start }) {  
 const [count, setCount] = React.useState(start);  
 return (  
<>  
<p>{count}</p>  
<button onClick={() => setCount(c => c + 1)}>+</button>  
<button onClick={() => setCount(c => c - 1)}>-</button>  
</>  
 );  
}  
function CounterWrapper() {  
 return <Counter start={0} />;  
}  
  
9.   
function Notification({ message }) {  
 const [visible, setVisible] = React.useState(true);  
 if (!visible) return null;  
 return (  
<div style={{ border: "1px solid black", padding: 5 }}>  
     {message} <button onClick={() => setVisible(false)}>X</button>  
</div>  
 );  
}  
  
10.   
function PostHeader({ title }) {  
 return <h2>{title}</h2>;  
}  
function PostBody({ text }) {  
 return <p>{text}</p>;  
}  
function PostFooter({ author }) {  
 return <small>By {author}</small>;  
}  
function Post({ title, text, author }) {  
 return (  
<div>  
<PostHeader title={title} />  
<PostBody text={text} />  
<PostFooter author={author} />  
</div>  
 );  
}