**Day-20 Evening Assessment**

**onClick**

1. const LogButton = () => (  
<button onClick={() => console.log("Clicked!")}>Click Me</button>  
);  
  
2. const AlertButton = () => {  
 const showAlert = (msg) => alert(msg);  
 return <button onClick={() => showAlert("Hello!")}>Show Alert</button>;  
};  
  
3. const ImageGallery = () => {  
 const [mainImage, setMainImage] = React.useState("img1.jpg");  
 return (  
<>  
<img src={mainImage} alt="main" width="200" />  
<div>  
       {["img1.jpg", "img2.jpg", "img3.jpg"].map((img) => (  
<img  
           key={img}  
           src={img}  
           alt="thumb"  
           width="50"  
           onClick={() => setMainImage(img)}  
           style={{ cursor: "pointer", margin: "5px" }}  
         />  
       ))}  
</div>  
</>  
 );  
};  
  
4. const VotingButton = () => {  
 const [votes, setVotes] = React.useState(0);  
 return <button onClick={() => setVotes(votes + 1)}>Votes: {votes}</button>;  
};  
  
5. const ColorParagraph = () => {  
 const [color, setColor] = React.useState("black");  
 return (  
<p style={{ color }} onClick={() => setColor(color === "black" ? "red" : "black")}>  
     Click to change my color  
</p>  
 );  
};  
  
6. const ShowHide = () => {  
 const [show, setShow] = React.useState(true);  
 return (  
<>  
<button onClick={() => setShow(!show)}>{show ? "Hide" : "Show"}</button>  
     {show && <p>This is a paragraph.</p>}  
</>  
 );  
};  
  
7. const QuizButton = () => {  
 const checkAnswer = (answer) => alert(answer === "React" ? "Correct!" : "Wrong!");  
 return (  
<>  
<button onClick={() => checkAnswer("React")}>React</button>  
<button onClick={() => checkAnswer("Vue")}>Vue</button>  
</>  
 );  
};  
  
8. const 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.const ColorSquare = () => {  
 const colors = ["red", "blue", "green", "yellow"];  
 const [colorIndex, setColorIndex] = React.useState(0);  
 return (  
<div  
     onClick={() => setColorIndex((colorIndex + 1) % colors.length)}  
     style={{  
       width: 100,  
       height: 100,  
       backgroundColor: colors[colorIndex],  
       cursor: "pointer"  
     }}  
   />  
 );  
};  
  
10. const ResetInput = () => {  
 const [text, setText] = React.useState("");  
 return (  
<>  
<input value={text} onChange={(e) => setText(e.target.value)} />  
<button onClick={() => setText("")}>Reset</button>  
</>  
 );  
};  
  
**Components**

1. const Header = () => <h1>My Website</h1>;  
  
2. class Footer extends React.Component {  
 render() {  
   return <footer>&copy; {new Date().getFullYear()}</footer>;  
 }  
}  
  
3. const Sidebar = () => <div style={{ width: "30%", background: "#eee" }}>Sidebar</div>;  
const MainContent = () => <div style={{ width: "70%" }}>Main Content</div>;  
const Layout = () => (  
<div style={{ display: "flex" }}>  
<Sidebar />  
<MainContent />  
</div>  
);  
  
4. const MyButton = ({ label }) => <button>{label}</button>;  
const ButtonExample = () => (  
<>  
<MyButton label="Save" />  
<MyButton label="Cancel" />  
<MyButton label="Delete" />  
</>  
);  
  
5. const ProfileCard = ({ img, name, desc }) => (  
<div style={{ border: "1px solid #ccc", padding: "10px", width: 200 }}>  
<img src={img} alt={name} width="100%" />  
<h3>{name}</h3>  
<p>{desc}</p>  
</div>  
);  
  
6. const Weather = ({ temp, condition }) => (  
<p>  
   Temperature: {temp}°C, Condition: {condition}  
</p>  
);  
  
7. const NavBar = () => (  
<nav>  
<a href="/">Home</a> | <a href="/about">About</a> | <a href="/contact">Contact</a>  
</nav>  
);  
  
8. const Counter = () => {  
 const [count, setCount] = React.useState(0);  
 return (  
<>  
<p>{count}</p>  
<button onClick={() => setCount(count + 1)}>+</button>  
<button onClick={() => setCount(count - 1)}>-</button>  
</>  
 );  
};  
const CounterWrapper = () => (  
<div>  
<h2>My Counter</h2>  
<Counter />  
</div>  
);  
  
9. const Notification = ({ message, onClose }) => (  
<div style={{ background: "lightyellow", padding: "10px" }}>  
   {message} <button onClick={onClose}>X</button>  
</div>  
);  
  
10. const PostHeader = ({ title }) => <h3>{title}</h3>;  
const PostBody = ({ content }) => <p>{content}</p>;  
const PostFooter = ({ author }) => <small>By {author}</small>;  
const Post = ({ title, content, author }) => (  
<div style={{ border: "1px solid #ccc", padding: "10px" }}>  
<PostHeader title={title} />  
<PostBody content={content} />  
<PostFooter author={author} />  
</div>  
);