React

2. Write a react component "PrintHeadline" that renders a variable H1 headline using attribute "myHeadline" !

```
// Example usage: <PrintHeadline myHeadline="this is a variable Headline" />

// Class Component
class PrintHeadline extends React.Component {
    render() {
        return <h1>{this.props.myHeadline}</h1>
    }
}

// Functional Component
function PrintHeadline(props) {
    return <h1>{props.myHeadline}</h1>;
}
```

3. Which method must be implemented by a react component at least that returns HTML code?

```
// Class Component: render()
render(){
    return(<h1>Hallo</h1>)
}

//Functional Component
return(<h1>Hallo</h1>)
```

4. Which data structure should be used to access input data that is passed into a react component?

```
// Class Component: object
this.props
```

5. When a react component's state data changes, which method will be invoked to update the rendered markup?

```
// Class Component
render()
```

6. Which data structure holds the state data in a react component?

```
// Class Component: object
this.state
```

7. Which react method must be called to set a state property?

```
// Class Component: setState({key: value})
this.setState((state) => {
    return {counter: state.counter + 1}
})

// Functional Component
const [someState, setSomeState] = useState();
setSomeState("muss zur Änderung aufgerufen werden");
```

8. Which react method must be called in a components constructor to properly handle passed input data?

```
// Class Component
super(props)
```