



# React Props

EASY & INTERMEDIATE  
*Level*

## Task 1 : Display a Greeting Message using function component

Create a function component that takes a name prop and displays a greeting message with that name.

Hint : `<GreetingMessage name="Amro" />`

Hello, Amro!

## Task 2 : Dynamic Button Text using function component

Create a button component that takes a label prop to set the button's text dynamically.

Hint : `<DynamicButton label="Click Me" />`

Click Me

## Task 3 : Create Product Details using function component

Create a component that takes productName, price, and description as props and displays product information in a card format.

Hint : `<productName PN="" price={} description="" />`

### Product Details

#### Laptop

Price: \$999

A powerful laptop for work and play.

## Task 4 : Create user info using function component

Create a component that takes UserInfo, take a name , age and email ,as props

Hint : `<UserInfo username="amro" email="amro@orange.com" age={27} />`

### User Information

Username: amro

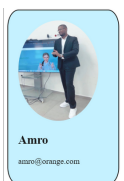
Email: amro@orange.com

Age: 27

## Task 5 : Create a User Profile Component using Class component

Build a React component to display a user's avatar, name, and email with custom styling.

Hint : `<User avatar={} name="" email="" />`



## Task 6 : Create a Header Component with Dynamic Links using Class

Create a Header component that displays a title passed via props, and dynamically renders the navigation links

Hint : `<Header title="My Website" hLink="#" aLink="#" ctLink="#" />`

### My Website

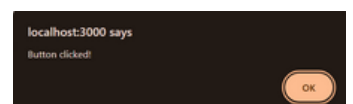
Home | About | Contact

## Task 7 : Create a Button Component using Class

renders a button element. The component should accept two props: label (for the button text) and onClick (for the click event handler).

Hint : `this.props.label` / **`this.props.onClick`**

Click Me



Coach Amro





# React State

INTERMEDIATE  
*Level*

## Task 1 : Counter with Increment/Decrement

Build a functional component that has two buttons: one to increment and another to decrement a count. Display the count.

Hint : `const i = () => setCount();`

2

Increment

-4

Decrement

## Task 2 : Show/Hide Paragraph

Create a functional component with a button that toggles the visibility of a paragraph of text when clicked.

Hint : `const toggleVisibility = () => setIsVisible(!isVisible);`

Show/Hide Text

This is some hidden text!

## Task 3 : Track User Input with Real-Time Display

Create an input field that tracks the value the user types and shows the current input below the field.

Hint : `const handleChange = (e) => setInputValue(e.target.value);`

typing .....

You typed: typing .....

## Task 4 : Toggle Theme

Create a component that toggles between light and dark themes when a button is clicked.

Hint : `const toggleTheme = () => setIsDark(!isDark);`

Toggle Theme

The current theme is Dark

Toggle Theme

The current theme is Light

## Task 4 : Toggle Theme

Create a component that toggles between light and dark themes when a button is clicked.

Hint : `const toggleTheme = () => setIsDark(!isDark);`