

## React -Assignment

### Assignment 1: Functional Component User Card

**Objective:** Practice JSX, functional components, props, and inline styling

**Task:** Build a UserCard functional component that displays user information.

**Requirements:**

- Accept props: name, email, age.
- Apply inline CSS styling for border, padding, and background color.
- Use defaultProps for age if not provided.
- Render at least 3 different UserCard components inside App.js.

**Example:**

```
<UserCard name="Kumar" email="kumar@gmail.com" />
```

```
<UserCard name="Ravi" email="ravi@example.com" age={38} />
```

**Bonus:**

- **Conditionally style the card background if age > 30.**

### Assignment 2: Class Component Welcome Message

**Objective:** Practice class components, props, defaultProps, and internal styling

**Task:** Create a WelcomeMessage class component that shows a greeting message.

**Requirements:**

- Accept props: username, greeting.
- Use defaultProps for greeting ("Hello").
- Apply internal CSS (inside a <style> tag in the component JSX) for font size, color, and margin.
- Render 2–3 WelcomeMessage components with different props inside App.js.

Example:

```
<WelcomeMessage username="Kumar" greeting="Hi" />
```

```
<WelcomeMessage username="Ravi" />
```

### Assignment 3: Product List with External Styling

**Objective:** Practice props, mapping arrays to JSX, and external CSS

**Task:** Build a ProductList component to display a list of products.

**Requirements:**

- Create a Product functional component accepting props: name, price, category.
- Use an external CSS file (Product.css) to style product cards (border, shadow, padding).
- The ProductList component should map through an array of at least 5 products and render Product components.
- Apply a different background color for products in the "Electronics" category.

Example:

```
const products = [
  { name: "Laptop", price: 800, category: "Electronics" },
  { name: "Chair", price: 50, category: "Furniture" },
];
```

**Bonus: Display product names in uppercase using JSX expression.**