# 📘 Set 3: JSX and Props

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## ✅ Important Notes

### 🔑 Props in React

- Props = "properties" → used to pass data from parent to child components.

- Props are read-only.

- Access via `props.name` or destructure like:

```
function Greet({ name }) {
  return <h2>Hello {name}</h2>;
}
```

### 🔑 JSX Tips

- Use `className` instead of `class`

- Use `{}` for dynamic values

- Self-closing tags must end with `/` like `<img />`, `<br />`

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## 🧩 Section A: MCQs (Multiple Choice Questions)

Q1. How do you access a prop inside a function? a) `this.name` b) `props[name]` c) `props.name` d) `name.props`

Q2. What is the correct way to pass a `name` prop to a component? a) `<User name="Krishna" />` b) `<User name: Krishna />` c) `<User {name="Krishna"} />` d) `User.name("Krishna")`

Q3. Which is the correct destructuring syntax? a) `function User(props)` b) `function User([name])` c) `function User({ name })` d) `function User({ props.name })`

Q4. What's the correct JSX style syntax for red color and font size 24px? a) `style="color: red; font-size: 24px"` b) `style={{ color: "red", fontSize: "24px" }}` c) `style={{ "color": "red"; "fontSize": "24px" }}` d) `style=[red, 24px]`

Q5. What's the issue here?

```
return <h1>Hello</h1><h2>World</h2>;
```

a) h2 tag wrong b) JSX must return one parent c) No style applied d) Component must be class

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## ✍️ Section B: Short Coding / Theory Questions

Q6. Write a functional component `Profile` that accepts `name` and `age` as props and shows:

```
<h2>Name: Krishna</h2>
<h3>Age: 25</h3>
```

---

Q7. Convert this component to use destructuring in props:

```
function Greet(props) {
   return <h2>Hello {props.name}</h2>
}
```

---

Q8. Write JSX that returns a heading `<h1>` with style:

- color: green
- font size: 20px

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Q9. Create a component `WelcomeMessage` that returns:

```
<h1>Welcome to React Learning!</h1>
<p>This is JSX</p>
```

Q10. Use a variable inside JSX to show your name:

```
const myName = "Your Name"
```

Return: `<h3>Hello Your Name</h3>`

# 📋 Section C: Answer Table

| Q.No | MCQ Answer (a/b/c/d) |
|------|----------------------|
| Q1   |                      |
| Q2   |                      |
| Q3   |                      |
| Q4   |                      |
| Q5   |                      |

# ✏️ Section D: Theory Answer Lines

- Q6 Answer:

- Q7 Answer:

- Q8 Answer:

- Q9 Answer:

- Q10 Answer: