Handle
Radio Buttons

What is a Radio Buttons?

❑ Radio buttons let users select only one option from a group.

❑ All radio buttons in the same group share the same name attribute.

❑ In React, we manage which one is selected using state.

Basic Radio Button

```
const [gender, setGender] = useState("");

<label>
  <input
    type="radio"
    name="gender"
    value="Male"
    checked={gender === "Male"}
    onChange={() => setGender(e.target.value)}
  />
  Male
</label>
```

Grouping Radio Buttons

If you have multiple options, map them dynamically instead of repeating code.

```jsx
const [selectedLang, setSelectedLang] = useState("");
const languages = ["JavaScript", "Python", "C++", "Java"];


{
  languages.map(lang => (
    <label key={lang} style={{ display: "block" }}>
      <input
        type="radio"
        name="language"
        value={lang}
        checked={selectedLang === lang}
        onChange={e => setSelectedLang(e.target.value)}
      />
      {lang}
    </label>
  ))
}
```

Summary:

Concept	Description	Example
name	Groups radios	All radios share same name
value	Defines option	value="Male"
checked	Determines selected	checked={gender==="Male"}
onChange	Updates state	setGender(e.target.value)
useState	Controls selection	const [gender, setGender] = useState("")

Q. Imagine you have a list of payment options and want to display details for the selected one.

```javascript
const payments = [
  { id: "UPI", info: "Instant transfer via UPI apps" },
  { id: "Card", info: "Pay using credit or debit card" },
  { id: "COD", info: "Pay when the order arrives" },
];
```

Thank You