Assignment React 2

What is the difference between storing data in a variable and storing it in a state?

Storing in variable doesn't affect the component's rendering. When a variable changes its value, it doesn't trigger a re-render of the component.

```
let count = 0
const handleClick = () => {
  count += 1
```

```
    console.log(count)
  }
  return (
    <div>
      <button onClick={handleClick}>Increment</button>
    </div>
  )}
```

Storing in state store data that affects the component's rendering and allows React to track and manage changes to that data. When the state changes, react automatically re-renders the component to reflect the updated state.

```
  const [count, setCount] = useState(0)
  const handleClick = () => {
    setCount(count + 1)
    console.log(count)
  }
  return (
    <div>
      <p>Count: {count}</p>
      <button onClick={handleClick}>Increment</button>
    </div>
  )
```

What is the difference between if statement

and ternary operator in conditional rendering?

Both approaches are valid and can be used based on the specific requirements and readability preferences of your code.

```
const condition = true

if (condition) {
  return <p>Welcome, user!</p>;
} else {
  return <p>Please log in.</p>;
}


Condition ?<p>Welcome,user!</p> : <p>Please login.</p>;
```