

Global Variables

Global Variables

Global variables in React persist even after re-render. Only the local variable that's instantiated within the React component will not survive the re-rendering, meaning that if the component is updated, those local variable's value will be reset to whatever their default value will be.

```
let counter = 0;

export default function MainPage() {

  let [state, setState] = useState(0);
  let localVariable = 0;

  function increment() {
    counter++;
    localVariable++;
    console.log(counter);
  }

  function incrementState() {
    localVariable++;
    setState(state + 1);
  }

  return (
    <>
      <p>The global variable is {counter}</p>
      <p>The local variable is {localVariable}</p>
      <p>The state variable is {state}</p>
      <button onClick={increment}>Increment a global variable</button>
      <button onClick={incrementState}>Increment a state variable</button>
    </>
  )
}
```

No matter where you try to increment the `localVariable` it will always be reset back to the initial value that it was assigned which is 0.

Revision #1

Created 2025-11-23 02:46:42 UTC by Tamarine

Updated 2025-11-23 02:49:11 UTC by Tamarine