

```
export default function StateComp() {
  let [age, setAge] = useState(18);
  let [name, setName] = useState("Roger");
```

age = age + 1; // no reconciliation

```
class StateComp extends Component {
  state = {
    age: 18,
    name: 'Roger'
  }

  setName(n) {
    this.setState({
      name: n
    })
  }

  setAge(a) {
    this.setState({
      age: a
    })
  }
}
```

let [age, setAge] = useState(18);

state

only way to update state

```
export default function Users({setUserId}: AppProps) {
  let [users, setUsers] = useState<User[]>();

  // componentDidMount ==> called once when component is created
  useEffect(() => {
    fetch('https://jsonplaceholder.typicode.com/users')
      .then(response => response.json())
      .then(data => {
        setUsers(data);
      })
  }, [ ]);
```

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```
return (
  <div>
    {
      users && users.map(user => <div key={user.id} onMouseEnter={() => setUserId(user.id)}>
        {user.name} , {user.email}
      </div>
    }
  </div>
)
```

```
function App() {
  let [id, setId] = useState<number>(1);
  return (
    <div className="container">
      </div>
      <div className="row">
        <div className="col-md-6">
          <Users setUserId={id:number} => setId(id)/>
        </div>
        <div className="col-md-4">
          <UserDetails id={id}/>
        </div>
      </div>
    </div>
  )
}
```

```
export default function UserDetails({id}: UserDetailsProps) {
  let [user, setUser] = useState<User | null>( null);

  // componentDidMount
  useEffect(() => {
    fetch('https://jsonplaceholder.typicode.com/users/' + id)
      .then(response => response.json())
      .then(data => {
        setUser(data);
      })
  }, [id]);

  return (
    <div>
      <h1>UserDetails</h1>
      {
        user && <div>

```