

```

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

1

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Leanne Graham , Sincere@april.biz
Ervin Howell , Shanna@melissa.tv
Clementine Bauch , Nathan@yesenia.net
Patricia Lebsack , Julianne.OConner@kory.org
Chelsey Dietrich , Lucio_Hettinger@annie.ca
Mrs. Dennis Schulist , Karley_Dach@asper.info
Kurtis Weissnat , Telly.Hoeger@billy.biz
Nicholas Runolfsdottir V , Sherwood@rosamond.me
Glenna Reichert , Chaim_McDermott@dana.io
Clementina DuBuque , Rey.Padberg@karina.biz

```

export default function Users(setUserId: AppProps) {
  let [users, setUsers] = useState([]);

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

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

```

```

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

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

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

```

```

function App() {
  let [id, setId] = useState(1);

  return (
    <div className="container">
      /* <StateComp /> */
      <div className="row">
        <div className="col-md-4">
          <UserDetails setId={id: number} => setId(id)>
        </div>
        <div className="col-md-4">
          <UserDetails id={id}>
        </div>
      </div>
    </div>
  )
}

```