

React Hooks Cheat Sheet

Hey , Let's Learn About React Hooks!

1. useState []

- **What's It For?** 'useState' is like a magic box for storing little pieces of information, like your favorite color or the number of toy cars you have.
- **How To Use It?** Imagine you shout "Abracadabra!" to change anything in the box.

```
const [favoriteColor, setFavoriteColor] = useState("blue");
```

2. useEffect []

- **What's It For?** 'useEffect' is like your morning routine. When something happens, you react the same way every time.
- **How To Use It?** It's for keeping things in order, like brushing teeth every morning.

```
useEffect(() => {  
  console.log("I run when something changes!");  
}, [favoriteColor]);
```

3. useContext []

- **What's It For?** 'useContext' is like sharing your toys with all your friends without them asking where they are.
- **How To Use It?** Everyone knows where the toys are, thanks to this magical sharing!

```
const Theme = useContext(ThemeContext);
```

4. useReducer []

- **What's It For?** 'useReducer' is like a blueprint for your LEGO castle, guiding how you put each block.
- **How To Use It?** It's a plan that tells what to do to build something awesome!

```
const [state, dispatch] = useReducer(reducer, initialState);
```

5. useRef []

- **What's It For?** 'useRef' is like having a special magnifying glass you can use to remember things without changing them.
- **How To Use It?** It's your secret memory keeper.

```
const myToyRef = useRef();
```

6. useMemo []

- **What's It For?** 'useMemo' is like having a super brain that remembers things so you don't have to think too hard every time.
- **How To Use It?** It saves energy by recalling facts quickly.

```
const expensiveCalculation = useMemo(() => computeMagic(value), [value]);
```

7. useCallback []

- **What's It For?** 'useCallback' is like a robot that remembers how to do tasks so you can just tell it to start working.
- **How To Use It?** It's for doing the same job without a fuss.

```
const memoizedCallback = useCallback(() => doSomething(thing), [thing]);
```

There You Go! Keep Learning and Having Fun! []

Keep this sheet close whenever you're diving into coding adventures! Each of these magic tools helps your React projects run smoothly and keeps the fun ongoing. []