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# Getting Started With **The React** **Hooks**



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# Hey Everyone 🖐️

In this Post, you are going to **understand what React hooks** are, the basic React Hooks that are available.

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## What are Hooks?

- **Hooks** are the new feature introduced in the **React 16.8** version.
- It allows you to use **state** and other **React features** without writing a **class**.
- Hooks are the functions which "**hook into**" React **state** and **lifecycle** features from **function components**.

- It does not work **inside classes**.
- Because of this, **class** components are generally **no longer** needed.
- They allow React Developers to enjoy the following **benefits**:
  - Improved code **reuse**;
  - **Better code** composition;
  - Better defaults;
  - **Sharing non-visual** logic with the use of custom hooks;



- Here is an **example of a Hook**.
- Don't worry if it doesn't make sense.
- We will go into more detail in the **next post**.
- You must **import Hooks** from react.

```
import React, { useState } from 'react';

const Hooks = () => {
  const [count, setCount] = useState(0);
  return (
    <div>
      <p>You clicked {count} times</p>
      <button onClick={() => setCount(count + 1)}>Click Me</button>
    </div>
  );
};

export default Hooks;
```

## Motivation Behind Hooks

- It's hard to **reuse** stateful logic between **components**.
- **Complex** components becomes **hard** to understand.
- **Classes** confuse both **people** and **machines**.

## Rules Of Hooks

1. Make sure to not use Hooks inside loops, conditions, or nested functions.
2. Hooks can only be called inside React function components.
3. Hooks cannot be conditional

## Built-in Hooks :

### *Basic Hooks*

- useState
- useEffect
- useContext

### *Additional Hooks*

- useReducer
- useCallback
- useMemo
- useRef
- useImperativeHandle
- useLayoutEffect
- useDebugValue



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