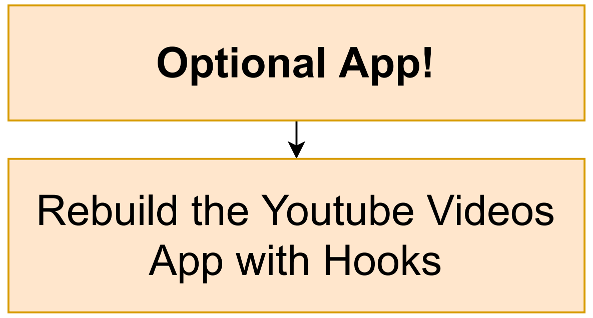
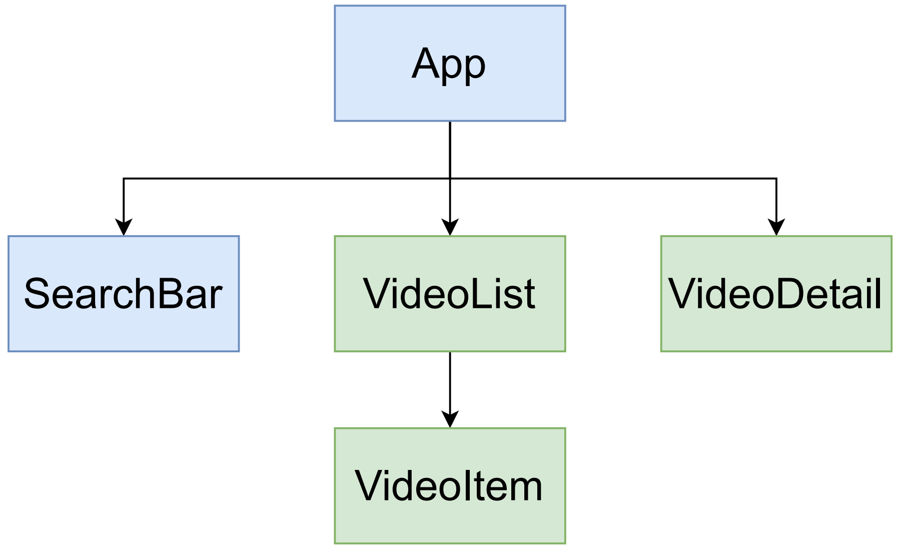
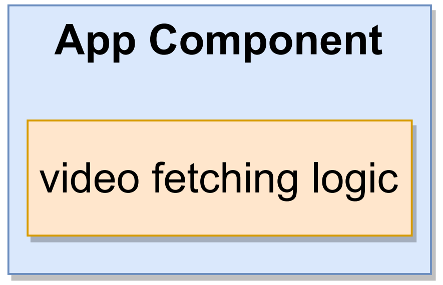
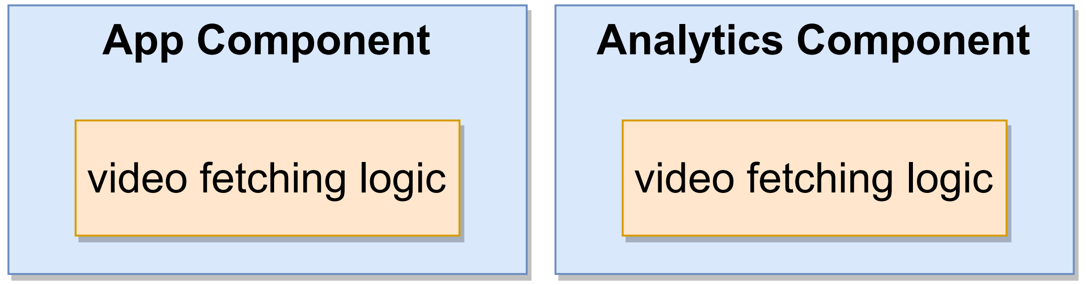


Optional App!

Rebuild the Youtube Videos App with Hooks


App
SearchBar
VideoList
VideoDetail
VideoItem


App Component
video fetching logic

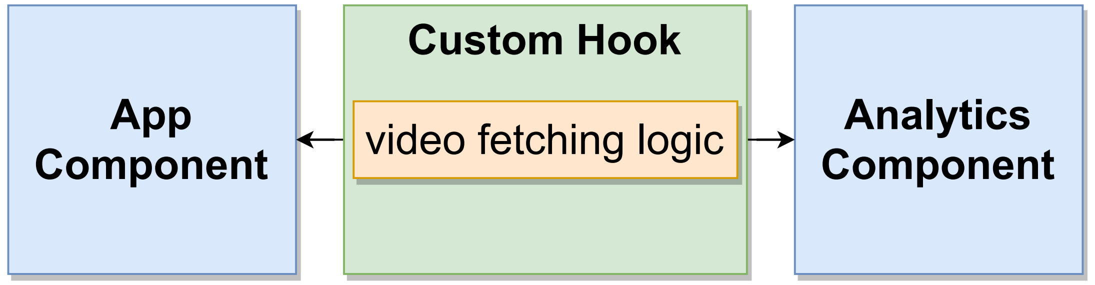


App Component

video fetching logic

Analytics Component

video fetching logic


App Component
Custom Hook
video fetching logic
Analytics Component

Custom Hooks

Best way to create reusable code in a React project (besides components!)

Created by extracting hook-related code out of a function component

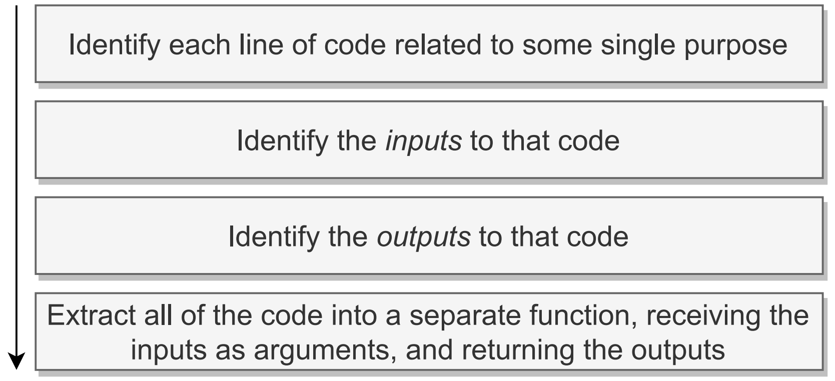
Custom hooks *always* make use of at least one primitive hook internally

Each custom hook should have *one purpose*

Kind of an art form!

Data-fetching is a great thing to try to make reusable

Process For Creating Reusable Hooks

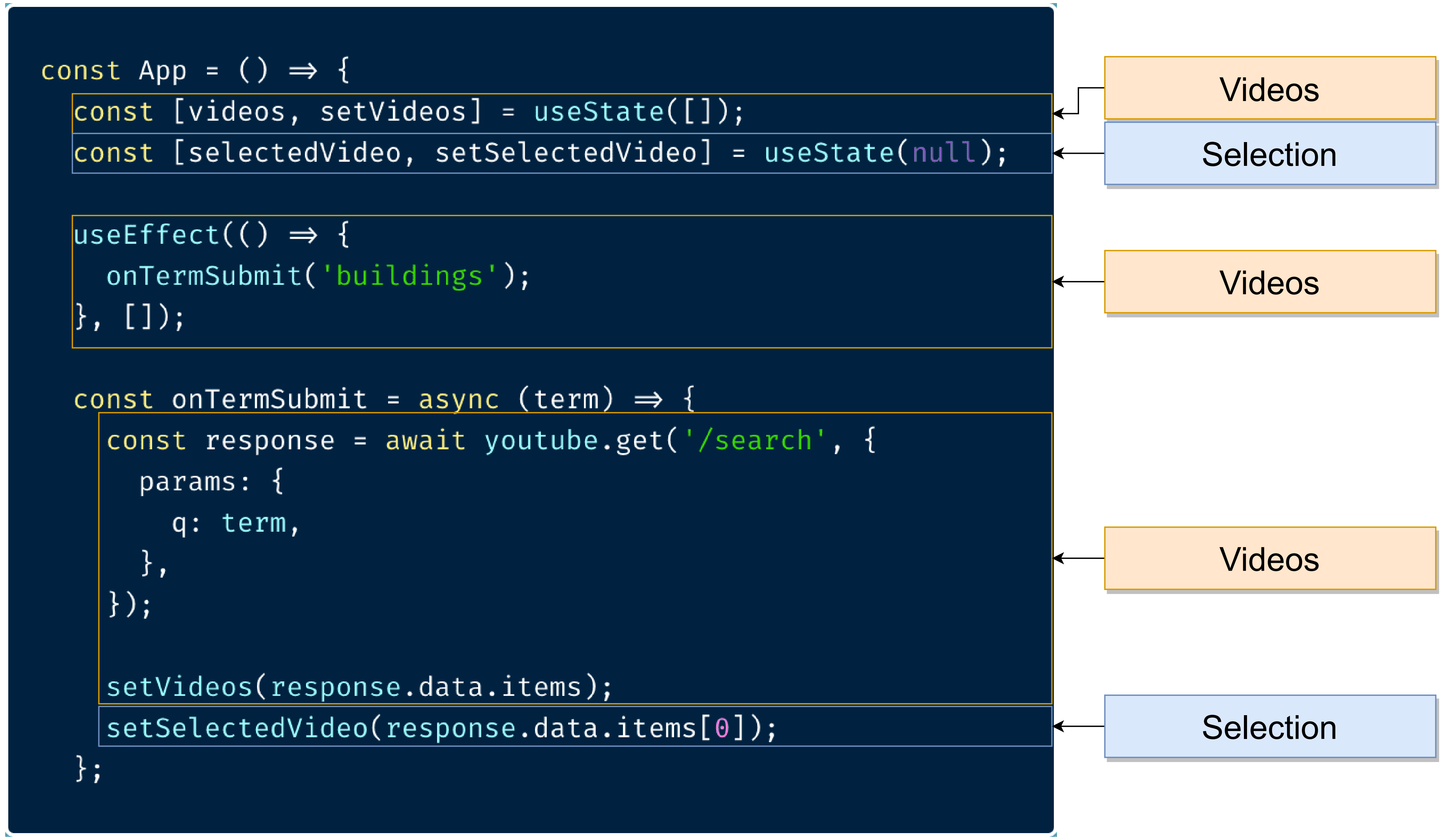


Identify each line of code related to some single purpose

Identify the *inputs* to that code

Identify the *outputs* to that code

Extract all of the code into a separate function, receiving the inputs as arguments, and returning the outputs

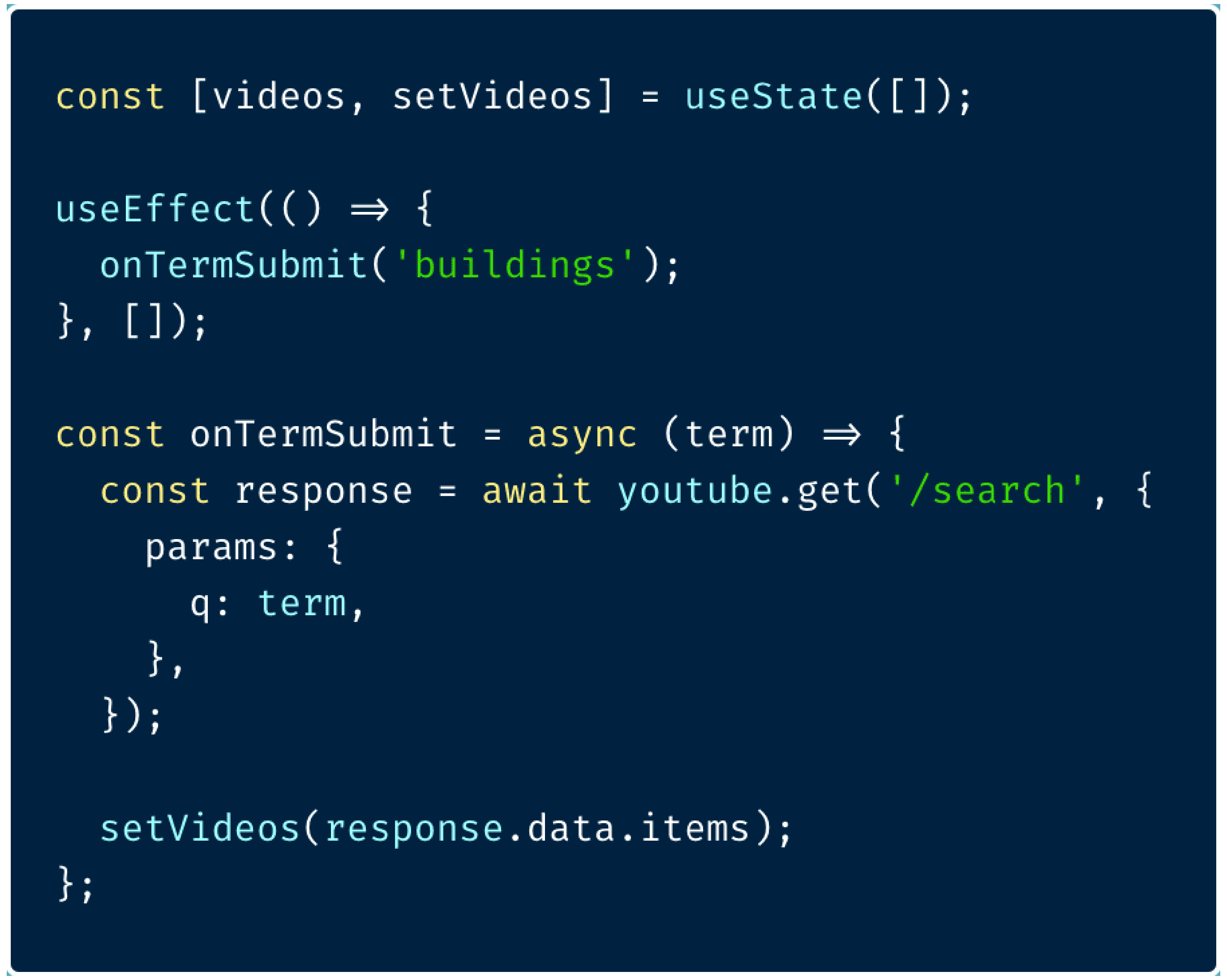


```
const App = () => {
  const [videos, setVideos] = useState([]);
  const [selectedVideo, setSelectedVideo] = useState(null);

  useEffect(() => {
    onTermSubmit('buildings');
  }, []);

  const onTermSubmit = async (term) => {
    const response = await youtube.get('/search', {
      params: {
        q: term,
      },
    });

    setVideos(response.data.items);
    setSelectedVideo(response.data.items[0]);
  };
```



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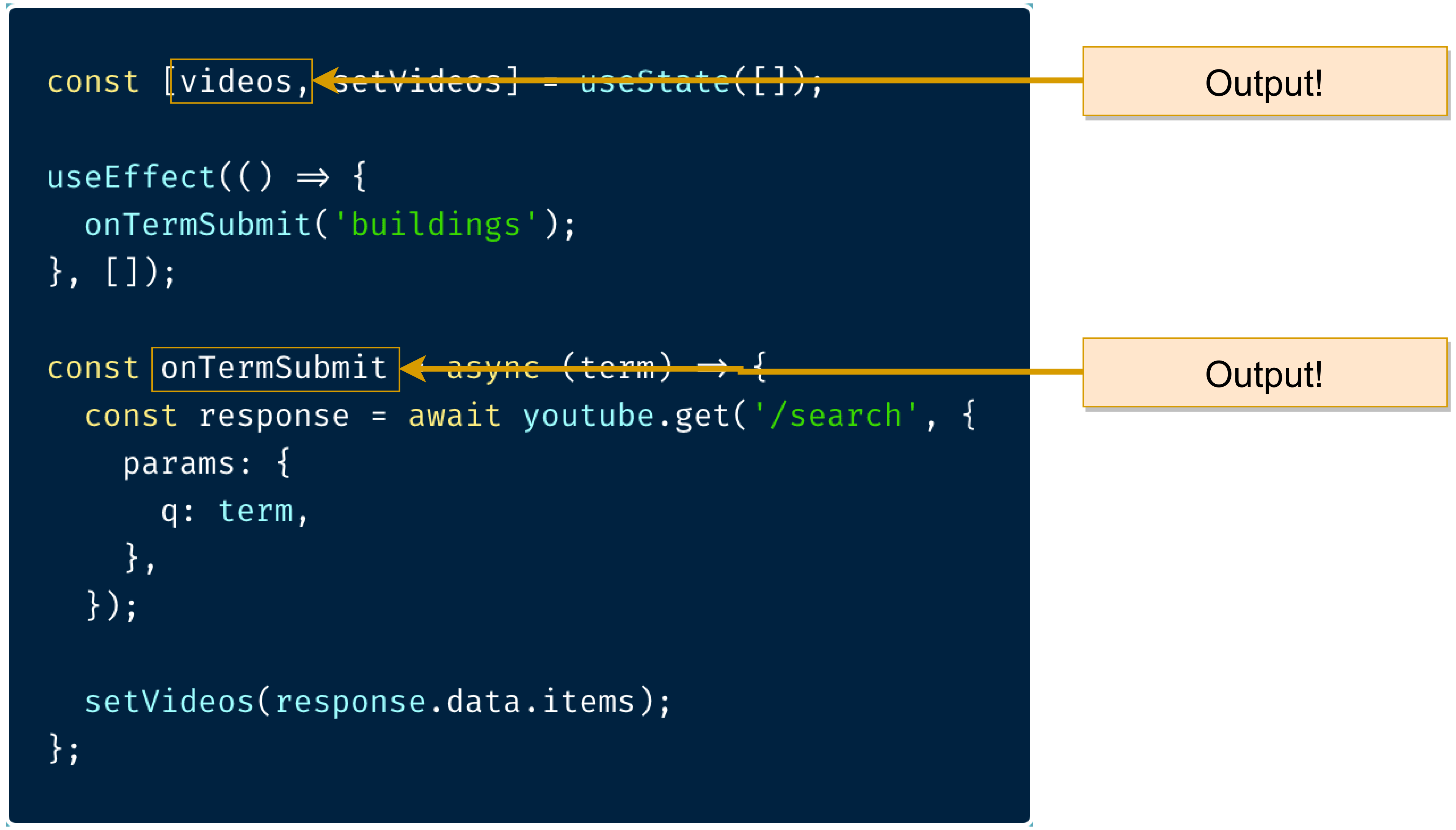

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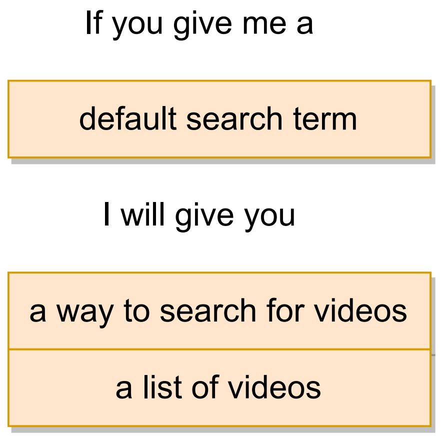
Output!

Output!



If you give me a

default search term

I will give you

a way to search for videos

a list of videos