React useEffect Lab (CodeGrade)

(https://github.com/learn-co-curriculum/react-hooks-use-effect-lab) **(https://github.com/learn-co-curriculum/react-hooks-use-effect-lab/issues/new)**

Learning Goals

- Use the `useEffect` hook with the dependencies array
- Use a cleanup function with `useEffect` to stop background processes

Overview

In the labs for this section, we're going to be building a trivia app! The first feature we're going to work on is the Question component.

There is some starter code for us to work with. There's a `Question` component already set up to display the question and a list of possible answers. It's also hooked up to its parent component, `App`, so that it has access to all the props it needs.

The feature we're going to build out using `useEffect` is a **countdown timer**, so that the user has to answer each question within 10 seconds.

Deliverables

When the `Question` component renders, create a side effect using `useEffect` and use `setTimeout` to run a callback function after 1 second.

Inside the callback function for `setTimeout`, use the `setTimeRemaining` function to decrease the amount of time remaining by 1 every 1 second.

When `timeRemaining` hits 0, do the following:

- reset `timeRemaining` back to 10 seconds, so our next question will have a fresh timer; and

- call the `onAnswered` callback prop with a value of false (`onAnswered(false)`), to trigger some behavior in the App component.

You should *also* use the **cleanup function** for `useEffect` to clean up after the timeout function.

Make sure to pay attention to any warning/error messages in the console as a result of using `useEffect`, and clean them up by providing any necessary *dependencies* in the second argument of `useEffect`.

If you're stuck on getting the timer working, or encountering some strange behavior, make sure to check out the resources below!

Resources

- **React Docs on useEffect** ⤷ **(https://reactjs.org/docs/hooks-effect.html)**
- **setTimeout Using Hooks** ⤷ **(https://upmostly.com/tutorials/settimeout-in-react-components-using-hooks)**
- **A Complete Guide to useEffect** ⤷ **(https://overreacted.io/a-complete-guide-to-useeffect/)**

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