

Started on	Friday, 22 September 2023, 4:35 PM
State	Finished
Completed on	Friday, 22 September 2023, 4:49 PM
Time taken	13 mins 54 secs
Grade	8.50 out of 10.00 (85%)

QUESTION 1

Correct
Mark 1.00 out of 1.00

Please, fill in the gaps, so that definition of the useEffect hook, that handles subscriptions to props.source, will be correct:

```
useEffect(  
  () => {  
    const subscription = props.source.subscribe  
      _____;  
    return _____;  
  },  
  _____,  
);
```

subscription

props.source

subscription.unsubscribe();

QUESTION 2

Correct
Mark 1.00 out of 1.00

Please, select the correct quantity of corresponding hooks React component can have:

useState - none, one or more if needed ✓

useEffect - none, one or more if needed ✓

QUESTION 3

Correct

Mark 1.00 out of 1.00

Please, choose appropriate places to call hooks:

- ☐ inside conditions
- ☒ at the top level of React function component ✓
- ☐ at the top level of regular js function
- ☐ inside loops

QUESTION 4

Incorrect

Mark 0.00 out of 1.00

We have the next component

```
function Counter({ initialCount }) {  
  const [count, setCount] = useState(initialCount);  
  return (  
    <>  
      Count: {count}  
      <button onClick={() => setCount(count - 1)}>-</button>  
      <button onClick={() => setCount(count + 1)}>+</button>  
    </>  
  );  
}
```

Is there something that is wrong or can be improved in it?

Please, choose the correct options

- ☒ prop cannot be used as an initial value of a state ✗
- ☒ we cannot write inline click handlers like this, we should define functions and then use them ✗
- ☒ arguments of setCount should be a functions ✓

QUESTION 5

Partially correct

Mark 0.50 out of 1.00

Is the component below defined correctly?

Please, select the correct statements regarding fixes/improvements that can be done with the component.

```
function Example({ someProp }) {  
  function doSomething() {  
    console.log(someProp);  
  }  
  
  useEffect(() => {  
    doSomething();  
  }, []);  
}
```

- ☒ it is better to place the doSomething function inside of the effect ✓
- ☒ doSomething should be placed in the dependency array ✗
- ☐ it is better to remove the second argument of the effect
- ☐ everything is good
- ☒ someProp should be placed in the dependency array ✓

QUESTION 6

Correct

Mark 1.00 out of 1.00

Which hook lets us to perform side effects in functional components?

Select one:

- ☒ a. useEffect ✓
- ☐ b. useReducer
- ☐ c. useState
- ☐ d. useSide

QUESTION 7

Correct

Mark 1.00 out of 1.00

Please, select when the subscription happens with the following code:

```
useEffect(() => {  
  props.source.subscribe();  
});
```

- ☐ after completed render, only when props.source changes
- ☐ only once, on mounting phase, before render
- ☐ only once, on mounting phase, after completed render
- ☒ after every completed render ✓
- ☐ before render, only when props.source changes
- ☐ before every render

QUESTION 8

Correct

Mark 1.00 out of 1.00

What is/are the arguments accepted by the `useState` hook?

Select one:

- ☒ a. initial value of the state ✓
- ☐ b. Optional array of callbacks
- ☐ c. Nothing
- ☐ d. New value of state to set

QUESTION 9

Correct

Mark 1.00 out of 1.00

What are the possible types of state variable in `useState` hook?

Select one or more:

- ☒ a. number ✓
- ☒ b. array ✓
- ☒ c. boolean ✓
- ☒ d. object ✓
- ☒ e. string ✓

QUESTION 10

Correct

Mark 1.00 out of 1.00

Will React hooks work inside class components?

Select one:

- ☐ True
- ☒ False ✓

[◀ Video. React Hooks \[19:03\]](#)

Jump to...

[Practical tasks ▶](#)