### Lab8

Name: Payal Singh Roll no: 22it3028

### **Question 1**

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

const CurrencyConverter = () => {
  const [amount, setAmount] = useState('');
  const [fromCurrency, setFromCurrency] = useState('USD');
  const [toCurrency, setToCurrency] = useState('EUR');
  const [convertedAmount, setConvertedAmount] = useState(null);

const exchangeRates = {
  USD: {
    EUR: 0.84,
    INR: 74.19
```

```
},
EUR: {
```

#### Index.jsx

```
import React from 'react';
import ReactDOM from 'react-dom';
import App from './App';

ReactDOM.render(<App />, document.getElementById('root'));
```

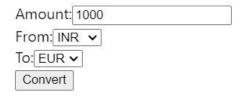
### App.jsx

```
INR: 83.32
const handleAmountChange = (e) => {
```

### Output



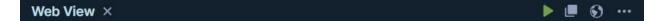
## **Currency Converter**



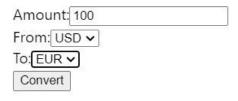
Converted Amount: 12.00 EUR







## **Currency Converter**



Converted Amount: 7419.00 EUR



Web View × ▶ ■ • · · ·

# **Currency Converter**

Amount:

From: USD 

To: EUR 

Convert

Converted Amount: NaN EUR

?

### **Question 2**

#### index.jsx

```
import React from 'react';
import ReactDOM from 'react-dom';
import App from './App';

ReactDOM.render(<App />, document.getElementById('root'));
```

App.jsx

```
import React, { useState, useEffect } from 'react';
const Stopwatch = () => {
 const [time, setTime] = useState(0);
 const [isRunning, setIsRunning] = useState(false);
 useEffect(() => {
   let intervalId;
       setTime((prevTime) => prevTime + 1);
     clearInterval(intervalId);
   return () => clearInterval(intervalId);
```

```
const startTimer = () => {
```

```
setIsRunning(true);
   setIsRunning(false);
 const resetTimer = () => {
   setTime(0);
   setIsRunning(false);
 const formatTime = (time) => {
   const minutes = Math.floor(time / 60);
   const seconds = time % 60;
 return (
   <div className="stopwatch-container"> { /* Add a class for
    <h2 className="stopwatch-header">Stopwatch</h2> {/* Add a
class for styling */}
     <div className="stopwatch-content"> {/* Add a class for
styling */}
      {formatTime(time)} { /* Add
a class for styling */}
```

#### CSS File

```
.stopwatch-container {
  margin: 20px;
  padding: 20px;
  border: 1px solid #ccc;
  border-radius: 5px;
}

.stopwatch-header {
  font-size: 24px;
  margin-bottom: 10px;
}

.stopwatch-content {
  display: flex;
  align-items: center;
}
```

```
margin-right: 20px;
.button-group button {
 padding: 10px 20px;
 color: #fff;
 color: #fff;
 color: #fff;
```

## **Output**

