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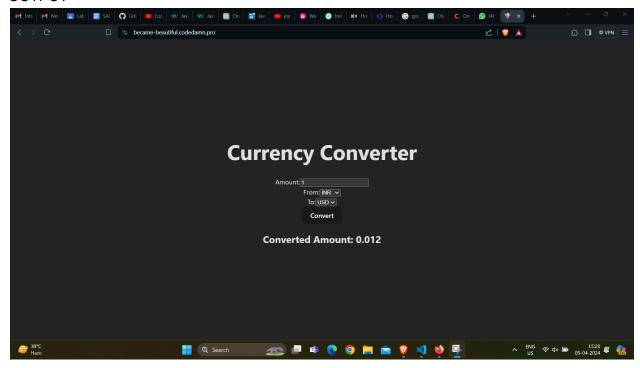
Q-1

```
import { useState } from 'react'
import './App.css'
const CurrencyConverter = () => {
   const [amount, setAmount] = useState(0)
   const [fromCurrency, setFromCurrency] = useState('USD')
   const [toCurrency, setToCurrency] = useState('EUR')
   const [convertedAmount, setConvertedAmount] = useState(0)
       USD: {
           GBP: 0.73,
           JPY: 110.41,
           INR: 83.29
           GBP: 0.86,
           INR: 90.31
           USD: 1.38,
           JPY: 150.91,
            INR: 105.28
        JPY: {
           USD: 0.0091,
           GBP: 0.0066,
           INR: 0.55
```

```
INR: {
       GBP: 0.0095,
       JPY: 1.82
const handleAmountChange = (e) => {
  setAmount(e.target.value)
const handleFromCurrencyChange = (e) => {
   setFromCurrency(e.target.value)
const handleToCurrencyChange = (e) => {
   setToCurrency(e.target.value)
const convertCurrency = () => {
   const rate = exchangeRates[fromCurrency][toCurrency]
   setConvertedAmount(converted)
               Amount:
                   type="number"
                   onChange={handleAmountChange}
```

```
From:
                        onChange={handleFromCurrencyChange}
                        <option value="JPY">JPY</option>
                        onChange={handleToCurrencyChange}
                        <option value="JPY">JPY</option>
           <button onClick={convertCurrency}>Convert</button>
export default CurrencyConverter
```

OUTPUT



Q-2

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

function Stopwatch() {
  const [isRunning, setIsRunning] = useState(false);
  const [currentTime, setCurrentTime] = useState(0);

useEffect(() => {
  let intervalId;
  if (isRunning) {
    intervalId = setInterval(() => {
        setCurrentTime(prevTime => prevTime + 1);
    }, 10);
  } else {
      clearInterval(intervalId);
  }

  return () => clearInterval(intervalId);
}, [isRunning]);

const handleStart = () => {
    setIsRunning(true);
```

```
const handleStop = () => {
   setIsRunning(false);
 const handleReset = () => {
   setIsRunning(false);
   setCurrentTime(0);
 const formatTime = (time) => {
   const minutes = Math.floor(time / 60);
   const seconds = time % 60;
   return ${minutes.toString().padStart(2,
'0')}:${seconds.toString().padStart(2, '0')};
 return (
     <div className="time">{formatTime(currentTime)}</div>
     <div className="buttons">
       <button onClick={handleStart} disabled={isRunning}>Start</button>
       <button onClick={handleStop}>Stop</button>
       <button onClick={handleReset}>Reset
     </div>
   </div>
export default Stopwatch;
```

OUTPUT

