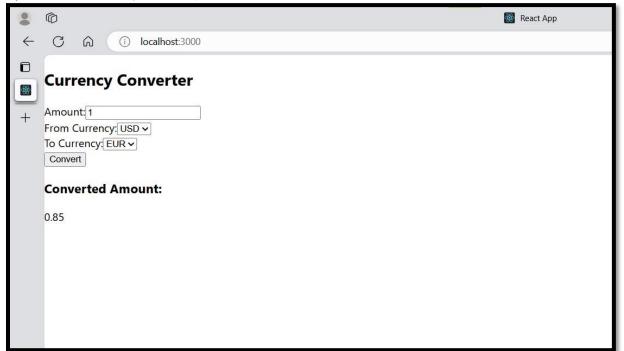
Name – ANKUR MISHRA Roll no – 22CS3010

T1. Currency converter

```
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(");
  const exchangeRate = 0.85;
  const handleAmountChange = (e) => {
    setAmount(e.target.value);
  };
  const handleFromCurrencyChange = (e) => {
setFromCurrency(e.target.value);
  };
  const handleToCurrencyChange = (e) => {
setToCurrency(e.target.value);
  const convertCurrency = () => {
    const convertedValue = amount * exchangeRate;
setConvertedAmount(convertedValue.toFixed(2));
  };
  return (
      <h2>Currency Converter</h2>
        <label htmlFor="amount">Amount:</label>
        <input type="number" id="amount" value={amount} onChange={handleAmountChange} />
      </div>
        <label htmlFor="fromCurrency">From Currency:</label>
        <select id="fromCurrency" value={fromCurrency} onChange={handleFromCurrencyChange}>
<option value="USD">USD</option>
        <label htmlFor="toCurrency">To Currency:</label>
        <select id="toCurrency" value={toCurrency} onChange={handleToCurrencyChange}>
```

```
intervalId = setInterval(() => {
setTime((prevTime) => prevTime + 1);
```

export default CurrencyConverter;



T2. Stopwatch application

```
}, 1000);
} else {
   clearInterval(intervalId);
  return () => clearInterval(intervalId);
 }, [isRunning]);
 const startStopwatch = () => {
setIsRunning(true);
 const pauseStopwatch = () => {
 setIsRunning(false);
 const resetStopwatch = () => {
 setIsRunning(false);
setTime(0);
 const formatTime = (seconds) => { const hours =
Math.floor(seconds / 3600); const minutes =
Math.floor((seconds % 3600) / 60); const
remainingSeconds = seconds % 60;
  return `${hours.toString().padStart(2, '0')}:${minutes
   .toString()
   .padStart(2, '0')}:${remainingSeconds.toString().padStart(2, '0')}`;
 return (
   <h1>Stopwatch</h1>
    {formatTime(time)}
   </div>
    {!isRunning ? (
     <button onClick={startStopwatch}>Start</button>
    ):(
     <button onClick={pauseStopwatch}>Pause</button>
    <button onClick={resetStopwatch}>Reset</button>
   </div>
  </div>
```

export default Stopwatch;

