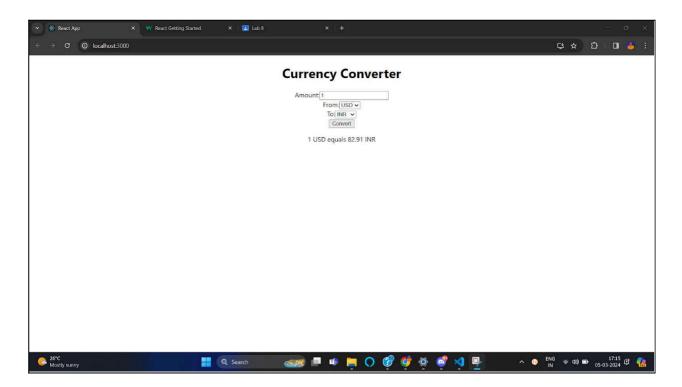
1.

```
import React, { useState } from 'react';
import './App.css';
function App() {
 const [amount, setAmount] = useState('');
 const [fromCurrency, setFromCurrency] = useState('USD');
 const [toCurrency, setToCurrency] = useState('INR');
 const [convertedAmount, setConvertedAmount] = useState(null);
 const handleAmountChange = (event) => {
   setAmount(event.target.value);
  };
 const handleFromCurrencyChange = (event) => {
   setFromCurrency(event.target.value);
  };
 const handleToCurrencyChange = (event) => {
   setToCurrency(event.target.value);
  };
 const handleConvert = () => {
   let exchangeRate;
   if (fromCurrency === 'USD' && toCurrency === 'INR') {
     exchangeRate = 82.91;
     exchangeRate = 1 / 82.91;
     exchangeRate = 1;
   const converted = parseFloat(amount) * exchangeRate;
   setConvertedAmount(converted.toFixed(2));
```

```
};
   <div className="App">
     <h1>Currency Converter</h1>
          Amount:
         <input type="number" value={amount}</pre>
onChange={handleAmountChange} />
       <label>
          From:
          <select value={fromCurrency}</pre>
onChange={handleFromCurrencyChange}>
           <option value="USD">USD</option>
            <option value="INR">INR</option>
          To:
         <select value={toCurrency} onChange={handleToCurrencyChange}>
           <option value="USD">USD</option>
            <option value="INR">INR</option>
     </div>
     <button onClick-{handleConvert}>Convert</button>
      {convertedAmount && (
       {p>{amount} {fromCurrency} equals {convertedAmount}}
toCurrency}
   </div>
 );
```

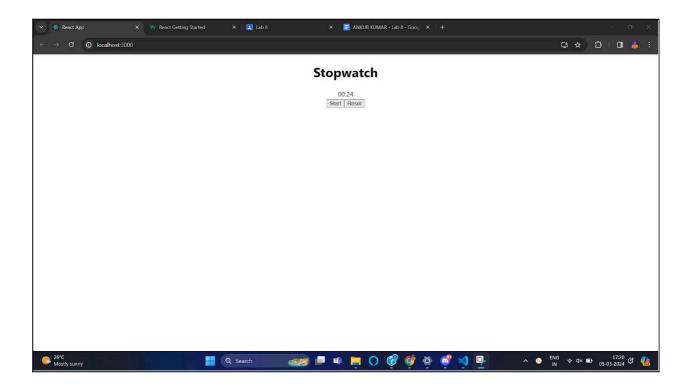
export default App;



2.

```
// App.js
import React, { useState, useRef } from 'react';
import './App.css';
function App() {
 const [time, setTime] = useState(0);
 const [isRunning, setTsRunning] = useState(false);
 const intervalRef = useRef(null);
 const handleStart = () => {
   setIsRunning(true);
   intervalRef.current = setInterval(() => {
     setTime((prevTime) => prevTime + 1);
   }, 1000);
  };
 const handlePause = () => {
   clearInterval(intervalRef.current);
   setIsRunning(false);
```

```
};
 const handleReset = () => {
   clearInterval(intervalRef.current);
   setTime(0);
   setIsRunning(false);
 };
 const formatTime = (timeInSeconds) => {
   const minutes = Math.floor(timeInSeconds / 60);
   const seconds = timeInSeconds % 60;
    String(minutes).padStart(2, '0') + ':' +
    String(seconds).padStart(2, '0')
  );
 };
 return (
  <div className="App">
    <h1>Stopwatch</h1>
    <div className="timer">{formatTime(time)}</div>
    <div className="controls">
        <buttor onClick={handleStart}>Start
        <buttor onClick={handlePause}>Pause</button>
      <button onClick={handleReset}>Reset
  </div>
 );
export default App;
```



3.

```
import React, { useState, useEffect } from 'react';
import './App.css';

function App() {
  const [conversations, setConversations] = useState([]);
  const [selectedConversation, setSelectedConversation] = useState(null);
  const [newNessage, setNewMessage] = useState('');
  const [messages, setMessages] = useState([]);

  useEffect(() => {
    fetchConversations();
  }, []);

  useEffect(() => {
    if (selectedConversation) {
        fetchMessages(selectedConversation.id);
    }
  }, [selectedConversation];

  const fetchConversations = () => {
```

```
const mockConversations = [
    { id: 1, name: 'Friend 1' },
     { id: 2, name: 'Friend 2' },
   ];
   setConversations(mockConversations);
 };
 const fetchMessages = (conversationId) => {
   const mockMessages = [
     { id: 1, text: 'Hello!', sender: 'Friend 1', timestamp: new Date()
     { id: 2, text: 'Hi there!', sender: 'You', timestamp: new Date() },
   setMessages (mockMessages);
 } ;
 const handleConversationClick = (conversation) => {
   setSelectedConversation(conversation);
 };
 const handleMessageSend = () => {
   const message = { id: messages.length + 1, text: newMessage, sender:
You', timestamp: new Date() };
   setMessages([message, ...messages]);
   setNewMessage('');
 } ;
   <div className="App">
     <div className="sidebar">
       <h2>Conversations</h2>
         {conversations.map((conversation) => (
           handleConversationClick(conversation)}>
             {conversation.name}
          ) ) }
```

```
<div className="chat">
       <h2>Chat</h2>
       {selectedConversation && (
           <h3>{selectedConversation.name}</h3>
           <div className="messages">
             {messages.map((message) => (
              <div key={message.id} className={message.sender === 'You'</pre>
? 'sent' : 'received'}>
                {message.text}
                <span>{message.sender} -
{message.timestamp.toLocaleString()}</span>
              </div>
             ) ) }
           <div className="message-input">
            <irput type="text" value={newMessage} onChange={(e) =>
<button onClick={handleMessageSend}>Send</button>
 );
export default App;
```