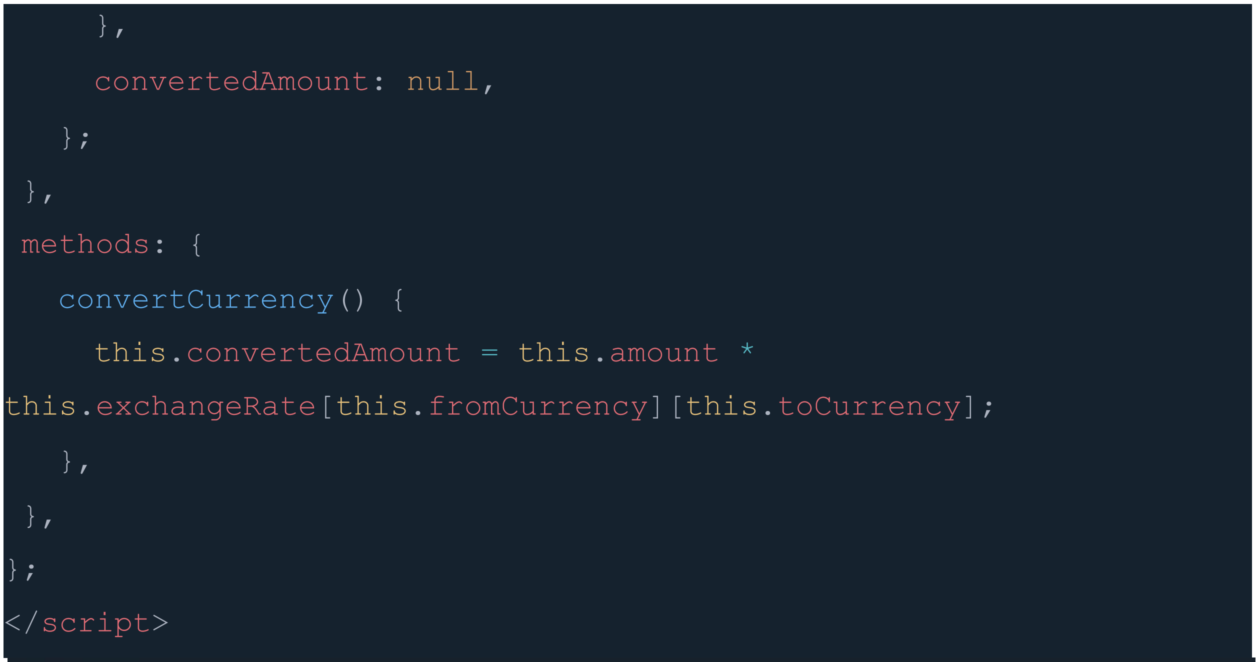
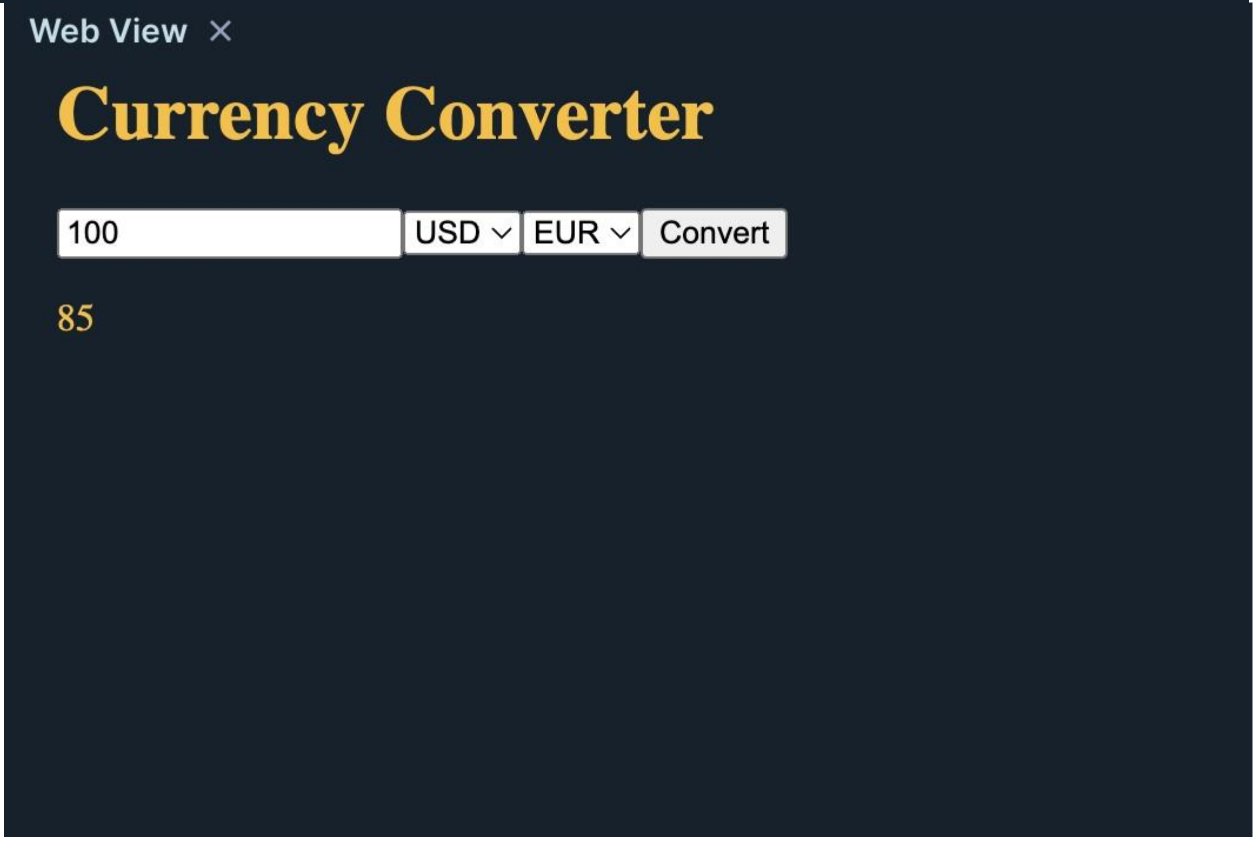
T1

```
<template>
 <div id="app">
   <h1>Currency Converter</h1>
  <input type="number" v-model="amount" placeholder="Enter amount"
/>
   <select v-model="fromCurrency">
     <option value="USD">USD</option>
     <option value="EUR">EUR</option>
   </select>
   <select v-model="toCurrency">
     <option value="USD">USD</option>
     <option value="EUR">EUR</option>
   </select>
   <button @click="convertCurrency">Convert</button>
   <p>{{ convertedAmount }}</p>
 </div>
</template>

<script>
export default {
 data() {
   return {
     amount: null,
     fromCurrency: 'USD',
     toCurrency: 'EUR',
     exchangeRate: {
       USD: { EUR: 0.85 },
       EUR: { USD: 1.18 },
```



```
     },
     convertedAmount: null,
   };
 },
 methods: {
   convertCurrency() {
     this.convertedAmount = this.amount *
this.exchangeRate[this.fromCurrency][this.toCurrency];
   },
 },
};
</script>
```



Currency Converter

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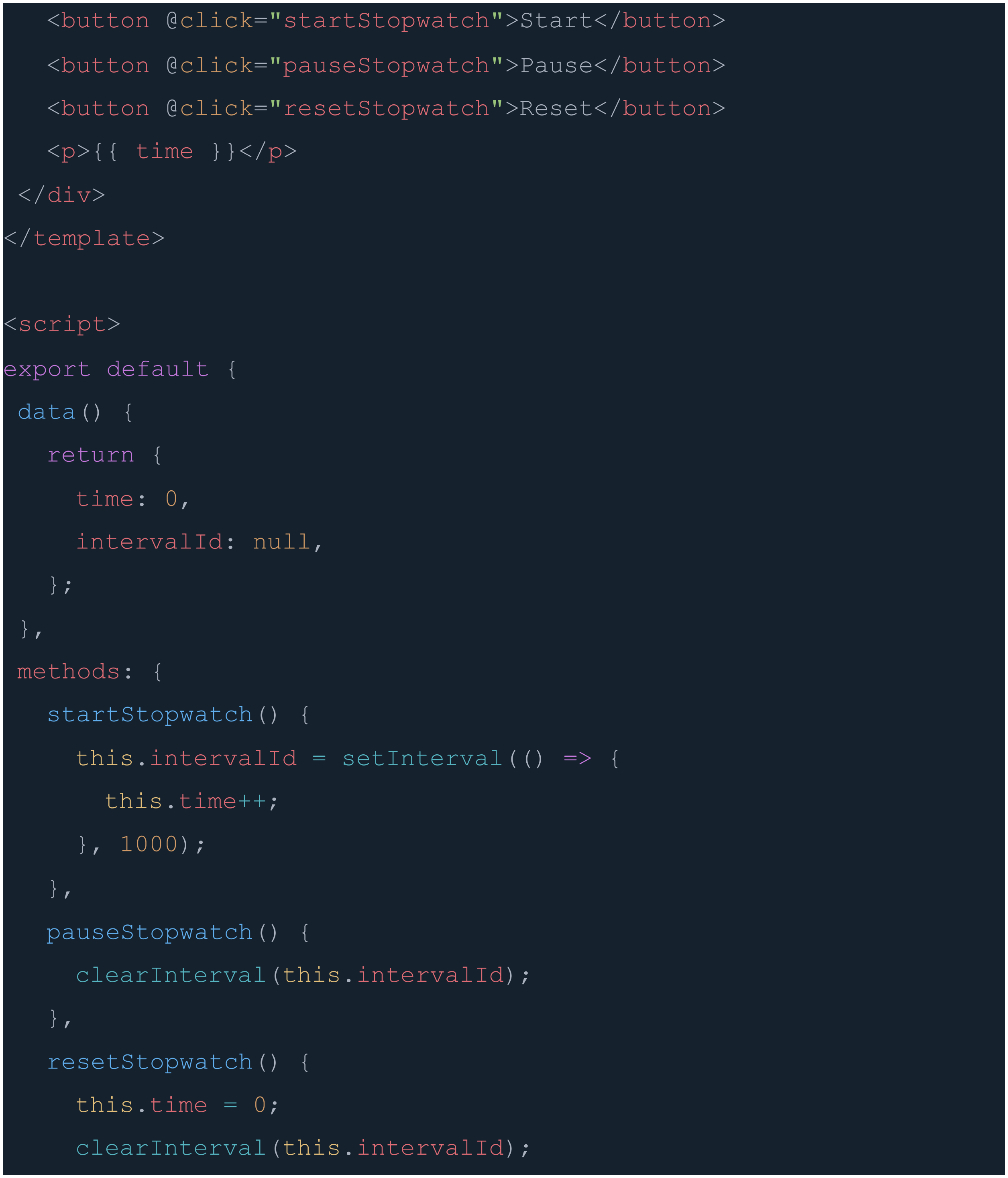
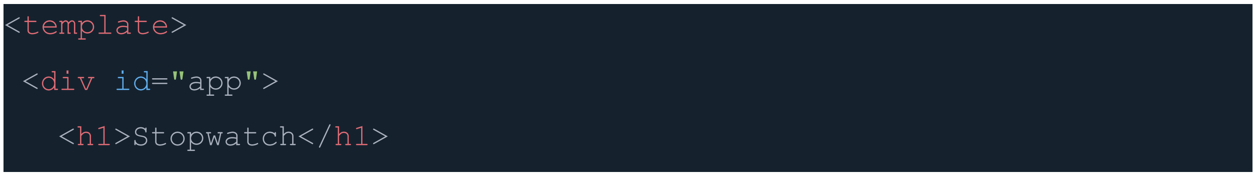
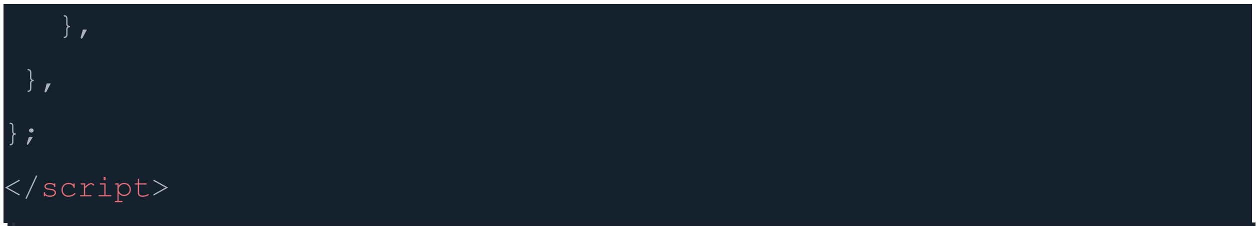
T2



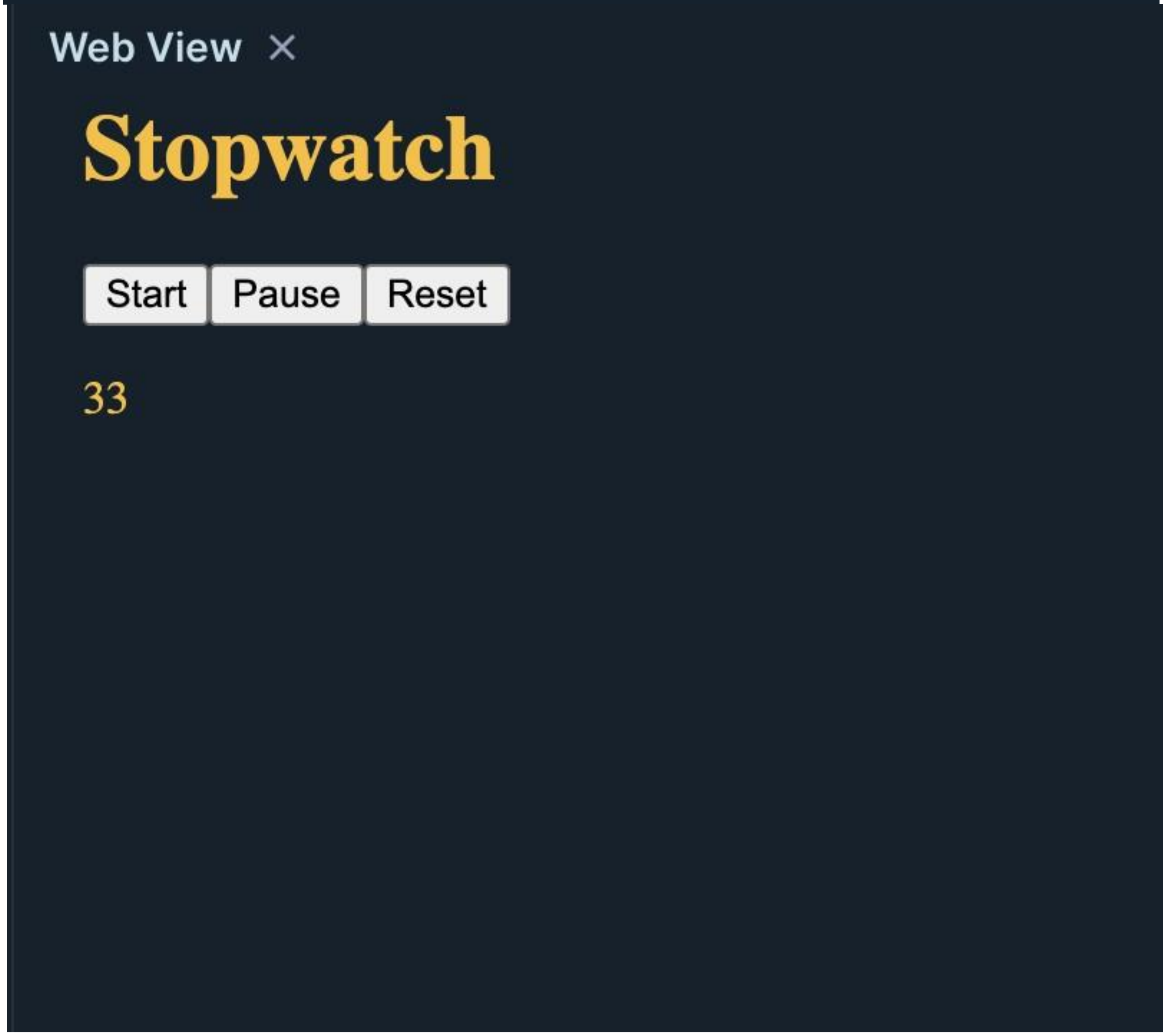
```
   <button @click="startStopwatch">Start</button>
   <button @click="pauseStopwatch">Pause</button>
   <button @click="resetStopwatch">Reset</button>
   <p>{{ time }}</p>
 </div>
</template>

<script>
export default {
 data() {
   return {
     time: 0,
     intervalId: null,
   };
 },
 methods: {
   startStopwatch() {
     this.intervalId = setInterval(() => {
       this.time++;
     }, 1000);
   },
   pauseStopwatch() {
     clearInterval(this.intervalId);
   },
   resetStopwatch() {
     this.time = 0;
     clearInterval(this.intervalId);
```



```
<template>
 <div id="app">
   <h1>Stopwatch</h1>
```



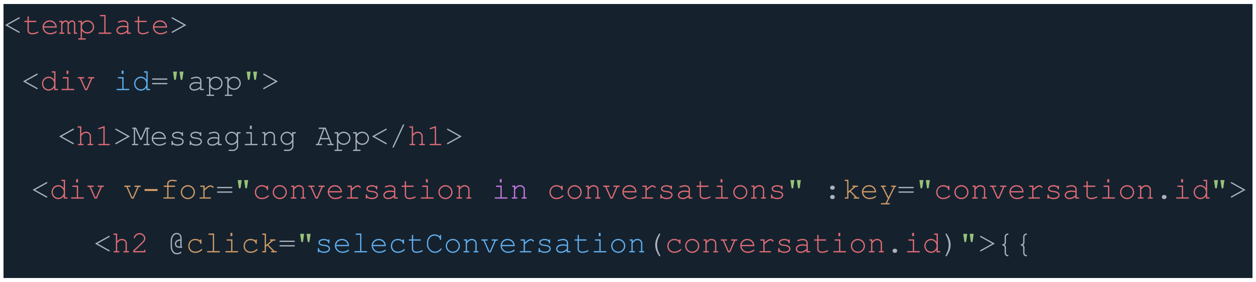
```
   },
 },
};
</script>
```



Stopwatch

```
33
```

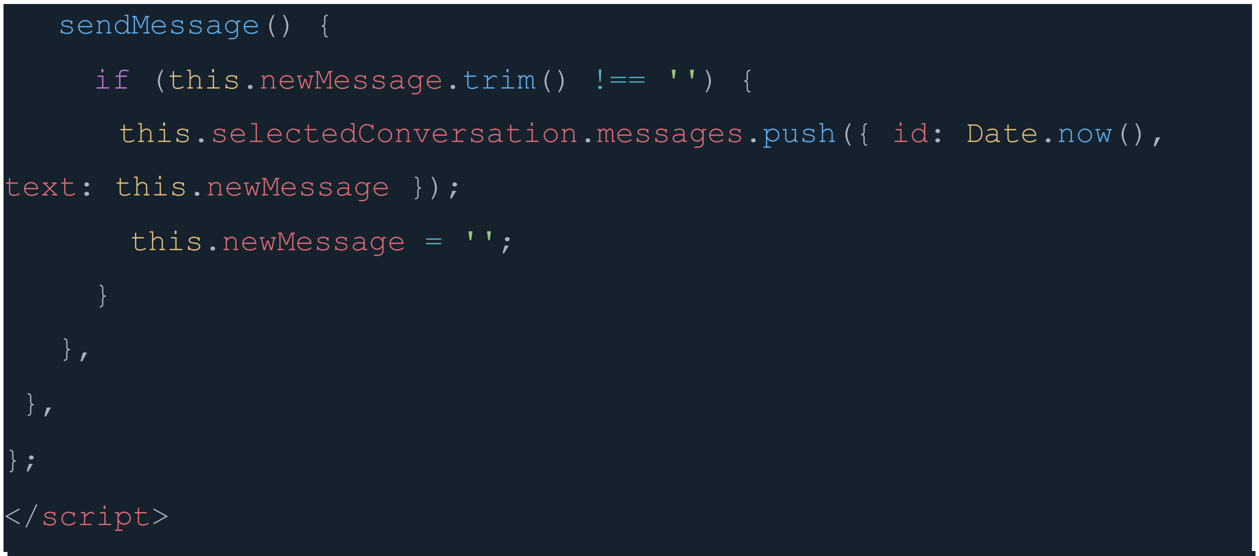
T3.



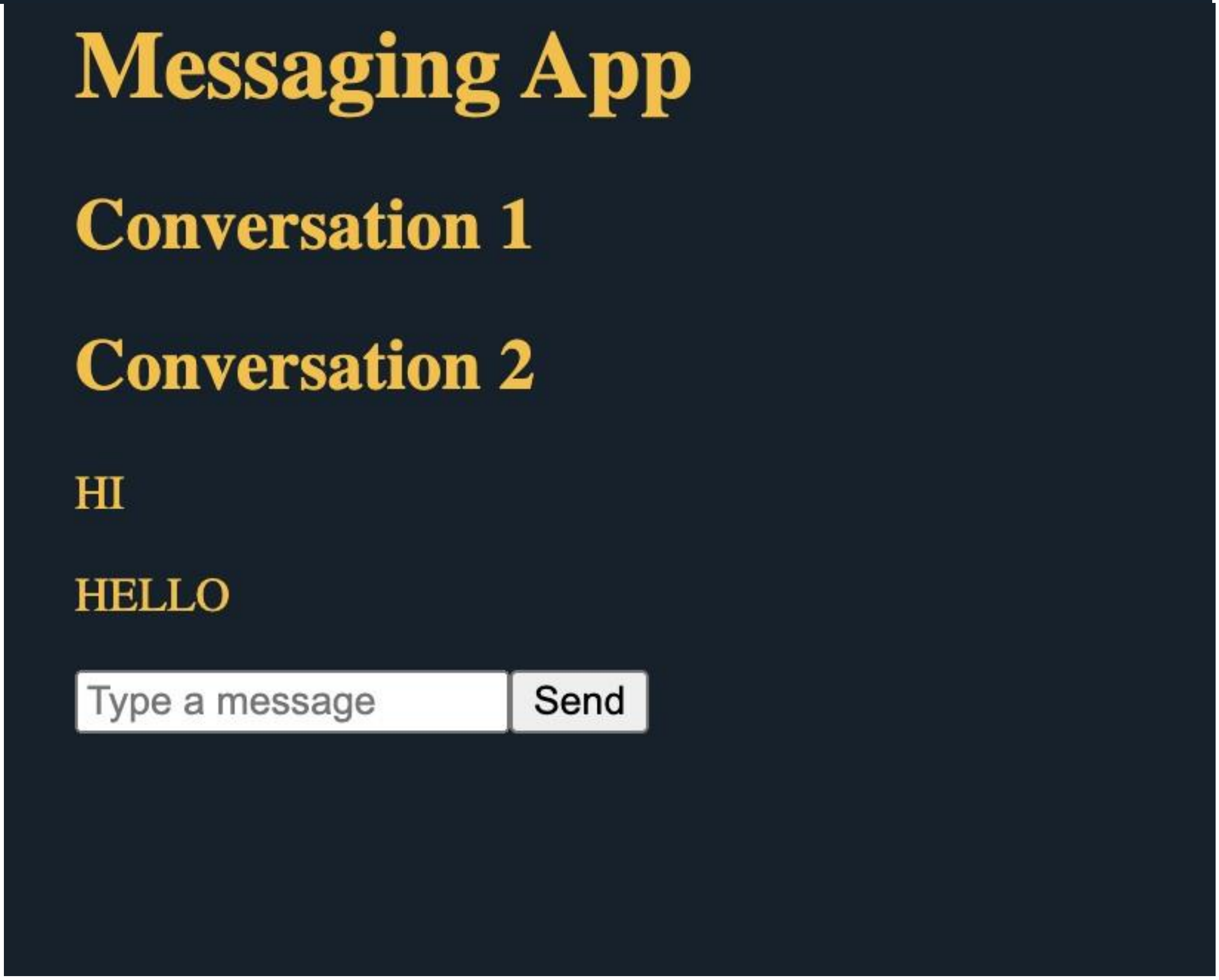
```
<template>
 <div id="app">
   <h1>Messaging App</h1>
  <div v-for="conversation in conversations" :key="conversation.id">
     <h2 @click="selectConversation(conversation.id)">{{
```

```
conversation.name }}</h2>
   </div>
   <div v-if="selectedConversation">
     <div v-for="message in selectedConversation.messages"
:key="message.id">
```

```
       <p>{{ message.text }}</p>
     </div>
    <input type="text" v-model="newMessage" placeholder="Type a
message" />
     <button @click="sendMessage">Send</button>
   </div>
 </div>
</template>

<script>
export default {
 data() {
   return {
     conversations: [
       { id: 1, name: 'Conversation 1', messages: [] },
       { id: 2, name: 'Conversation 2', messages: [] },
     ],
     selectedConversation: null,
     newMessage: '',
   };
 },
 methods: {
   selectConversation(id) {
    this.selectedConversation = this.conversations.find(c => c.id
=== id);
   },
```



```
    sendMessage() {
      if (this.newMessage.trim() !== '') {
        this.selectedConversation.messages.push({ id: Date.now(), text: this.newMessage });
        this.newMessage = '';
      }
    },
  },
};
</script>
```



Messaging App

Conversation 1

Conversation 2

HI

HELLO