Q1

```
<template>
 <div>
    <h1>Currency Converter</h1>
      <label for="amount">Amount:</label>
      <input type="number" id="amount" v-model="amount"</pre>
@input="convert">
    </div>
    <div>
      <label for="from">From:</label>
      <select id="from" v-model="from" @change="convert">
        <option v-for="(rate, currency) in exchangeRates"</pre>
:value="currency" :key="currency">{{ currency }}</option>
      </select>
    </div>
    <div>
      <label for="to">To:</label>
      <select id="to" v-model="to" @change="convert">
        <option v-for="(rate, currency) in exchangeRates"</pre>
:value="currency" :key="currency">{{ currency }}</option>
      </select>
    </div>
    <div>
      {{ amount }} {{ from }} = {{ convertedAmount }} {{ to }}
    </div>
  </div>
</template>
<script>
export default {
  data() {
    return {
      amount: 0,
      from: 'USD',
      to: 'EUR',
      exchangeRates: {
        USD: 1,
        EUR: 0.85,
        GBP: 0.72,
        JPY: 112.08,
        AUD: 1.33
```

```
// Add more currencies and their exchange rates here
      },
  },
  computed: {
    convertedAmount: function() {
      return (this.amount * this.exchangeRates[this.to] /
this.exchangeRates[this.from]).toFixed(2);
  },
 methods: {
    convert: function() {
      this.convertedAmount = (this.amount * this.exchangeRates[this.to]
 this.exchangeRates[this.from]).toFixed(2);
</script>

▼ my-vue-project2

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 Import favorites a Amazon.co.uk - Onl... b Agoda b Express VPN
                                                           > Other favorites
 Currency Converter
 Amount: 0
 From: USD V
 To: EUR V
 0 \text{ USD} = 0.00 \text{ EUR}
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```

Q2

```
<template>
<div class="container">
```

```
<h1>{{ formatTime }}</h1>
    <button class="button" @click="startPause">{{ isRunning ? 'Pause' :
'Start' }}</button>
    <button class="button" @click="reset">Reset
  </div>
</template>
<script>
export default {
  data() {
    return {
      isRunning: false,
      startTime: null,
      currentTime: null
   };
  },
  computed: {
   elapsedTime() {
      if (!this.startTime) return 0;
      return this.currentTime - this.startTime;
    },
    formatTime() {
      const milliseconds = this.elapsedTime % 1000;
      const seconds = Math.floor((this.elapsedTime / 1000) % 60);
      const minutes = Math.floor((this.elapsedTime / (1000 * 60)) %
60);
      const hours = Math.floor((this.elapsedTime / (1000 * 60 * 60)) %
24);
      return `${hours.toString().padStart(2,
'0')}:${minutes.toString().padStart(2,
'0')}:${seconds.toString().padStart(2,
'0')}.${milliseconds.toString().padStart(3, '0')}`;
  },
 methods: {
    startPause() {
      if (this.isRunning) {
        clearInterval(this.timer);
        this.startTime = new Date() - this.elapsedTime;
        this.timer = setInterval(() => {
          this.currentTime = new Date();
        }, 10);
      this.isRunning = !this.isRunning;
```

```
},
    reset() {
      this.isRunning = false;
      clearInterval(this.timer);
      this.startTime = null;
      this.currentTime = null;
<style scoped>
.container {
 margin-top: 50px;
.button {
 margin: 5px;
 padding: 10px 20px;
 font-size: 16px;
 cursor: pointer;
</style>

▼ my-vue-project2

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 Import favorites a Amazon.co.uk - Onl... b Agoda b Express VPN
                                                           > Other favorites
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    Start
            Reset
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                                                                           0
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                                                                           +
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```

