

Vue Composition API mit <script setup>

<script setup> (JavaScript)

import

```
import { ref, reactive, computed, onMounted } from 'vue';
import MyComponent from './components/MyComponent.vue'
```

Props (Attribute von Hostkomponente)

```
const props = defineProps({
  zahl:Number,
  text:String
});
```

Nichtreaktive Variablen

```
const x = 3;
```

Reaktive Variablen

a) primitive Variablen (string, number, boolean, ...), Zugriff mit .value

```
const zahl = ref(0);
```

b) Objekte, Arrays, ...

```
const liste = reactive(['Anna', 'Berta', 'Carla']);
```

Berechnete Werte

```
const quadrat = computed(() => { zahl.value * zahl.value });
```

Methoden

```
function hochzaehlen(){
  zahl.value++;
}
```

Ereignisse für Hostkomponente

1. Ereignisse definieren

```
const emit = defineEmits(['inFocus', 'submit']);
```

2. Ereignis auslösen

```
emit('submit');
```

Child-Komponente einbinden

```
<MyComponent attribut1="Servus" @ereignis1="methode1" />
```

Start

```
onMounted(() => { hochzaehlen(); });
```

<template> (HTML)

Text Interpolation

```
{{ variable }}
```

Attribut Binding

```
<div :title="text"> ... </div>
```

Events

```
<button @click="methode"> ... </button>
```

Conditional Rendering

```
<div v-if="isVisible"> ... </div>
```

Schleife

```
<li v-for="item in items" :key="item.id">{{ item.text }}</li>
```

Form Input Bindings

```
<input v-model="variable" />  
<select v-model="variable" />
```

<style scoped> (CSS)