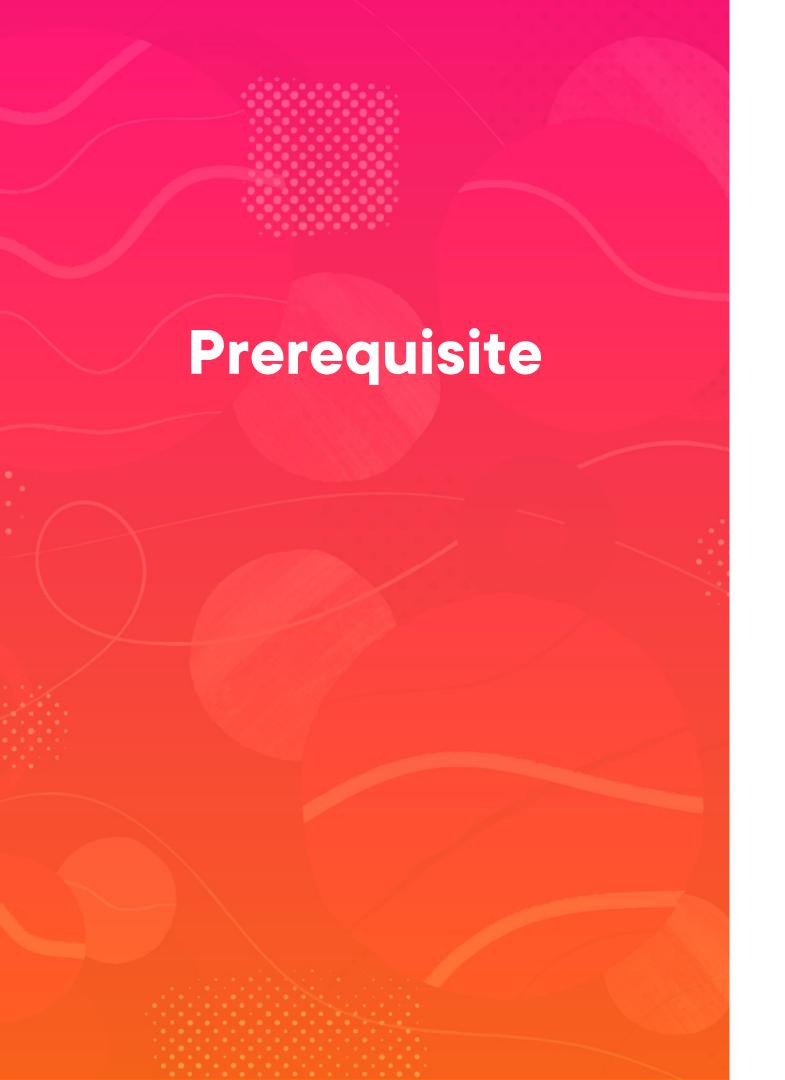
Exploring the Vue Reactivity API



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Using the Composition and Reactivity APIs

Vue 3 Fundamentals



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Basic Reactivity Functions

reactive()

ref()

computed()



reactive()

ref()

```
let product = reactive({ })
```

product.name = 'Jonny 5'

```
let product = ref({ })
let price = ref(0)
```

product.value.name = 'Jonny 5'



computed()

```
const item1 = ref(1)
const item2 = ref(2)
const total = computed(() => item1.value + item2.value)
```



Requires Computed **Primitives** Method .value? Props Objects reactive() ref() computed()



```
setup(props)
 const products = reactive(['apples', 'oranges', 'grapes']);
 const filter = (text) =>
     const|filteredProducts = products.filter(p => p.includes(text));
     return products.splice(0, products.length, ...filteredProducts);
  return { products, filter, }
</script>
setup(props) {
  const products = ref(['apples', 'oranges', 'grapes']);
  const filter = (text) => {
    return products.value | products.filter(p => p.includes(text));
  return { products, filter, }
</script>
```



Computed Requires **Primitives** Method .value? Props Objects ref() computed()



Computed Requires **Primitives** Method .value? Objects Props reactive() ref() computed()



Computed Requires **Primitives** Method .value? Props Objects reactive() readonly() ref() computed()



