

LU07.S04 - Methods with arguments - Animal-count

Assignment A - 3'

- A01: Test the code example above which was provided to you. Describe the behaviour of the script using HTML comments.
- A02: Check to basic function of the script. When clicking the tiger-image the a message which greets the tiger should appear in the green field below the image.
- A03: Make sure that you have the title <h1> and have correctly named the file: **lu07.s03.html**
- A04: Safe it.

Assignment B: Extend the argument list - 10'

- B01: Kindly as we are, we not only want to greet the tiger, but also show a title to the image.
- B02: There must be a message commencef as well, „you look terrifying!!
- B03: Note: The signature of the method must therefore be extended by additional arguments: title and message.

Assignment C: Add more animals to greet - 7'

- C01: As we were able to greet the tiger properly, we are seeking new challanges. Add two more animals to be greeted with the corresponding title and message.

Solution

A20: Count several Animals by passing arguments and event object with methods

In this example we are able to count tigers, moose and kangaroos, with different increments, all buttons referring to the same method. This is possible by passing the numbers counted as an argument, and by passing the event.

```

<body>
<h1>A20: Count several Animals by passing arguments and event object with methods</h1>
<p>In this example we are able to count tigers, moose and kangaroos, with different increments, all
<div id="app">
  <div id="tigers">
    <br>
    <button v-on:click="addAnimal($event,1)">+1</button>
    <button v-on:click="addAnimal($event,5)">+5</button>
    <button v-on:click="addAnimal($event,-1)">-1</button>
    <button v-on:click="addAnimal($event,-5)">-5</button>
  </div>
  <div id="lions">
    <br>
    <button v-on:click="addAnimal($event,1)">+1</button>
    <button v-on:click="addAnimal($event,5)">+5</button>
    <button v-on:click="addAnimal($event,-1)">-1</button>
    <button v-on:click="addAnimal($event,-5)">-5</button>
  </div>
  <div id="keas">
    <br>
    <button v-on:click="addAnimal($event,1)">+1</button>
    <button v-on:click="addAnimal($event,5)">+5</button>
    <button v-on:click="addAnimal($event,-1)">-1</button>
    <button v-on:click="addAnimal($event,-5)">-5</button>
  </div>

```

```

104     this.tigers = 0,
105     this.lions = 0,
106     this.keas = 0,
107     this.moose = 0,
108     this.kangaroos = 0
109   },
110   addAnimal(e,number) {
111     if (e.target.parentElement.id === "tigers") {
112       if (this.tigers+number >= 0) {
113         this.tigers += number;
114       }
115     } else if (e.target.parentElement.id === "lions") {
116       if (this.lions+number >= 0) {
117         this.lions += number;
118       }
119     } else if (e.target.parentElement.id === "keas") {
120       if (this.keas+number >= 0) {
121         this.keas += number;
122       }
123     } else if (e.target.parentElement.id === "kangaroos") {
124       if (this.kangaroos+number >= 0) {
125         this.kangaroos += number;
126       }
127     }
128   }
129 }

```

methods

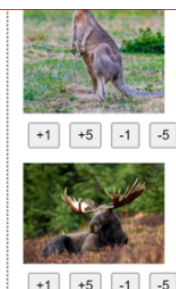
In this example we are able to count tigers, moose and kangaroos, with different increments, all buttons referring to the same method. This is possible by passing the numbers counted as an argument, and by passing the event.



```

65 <br>
66 <button v-on:click="addAnimal($event,1)">+1</button>
67 <button v-on:click="addAnimal($event,5)">+5</button>
68 <button v-on:click="addAnimal($event,-1)">-1</button>
69 <button v-on:click="addAnimal($event,-5)">-5</button>
70 </div>
71 <button v-on:click="resetAll(0)">Reset all</button>
72
73 <ul>
74 <li>Tigers: {{ tigers }}</li>
75 <li>Lions: {{ lions }}</li>
76 <li>Keas: {{ keas }}</li>
77 <li>Kangaroos: {{ kangaroos }}</li>
78 <li>Moose: {{ moose }}</li>
79 </ul>
80 </div>
81
82

```



- Tigers: 0
- Lions: 0
- Keas: 0
- Kangaroos: 0
- Moose: 0

lu07.s04.zip

Vocabulary

English	German
...	...



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