

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

lsung

The screenshot shows a code editor with the following HTML code:

```

<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>

```

On the right side, there is a preview of the application. It features a title "A20: Count several Animals by passing arguments and event object with methods". Below the title, there is a paragraph: "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." There are two images: a tiger and a lion. Each image has four buttons below it: "+1", "+5", "-1", and "-5".

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.

```
    this.tigers = 0,  
    this.lions = 0,  
    this.keas = 0,  
    this.moose = 0,  
    this.kangaroos = 0  
  },  
  addAnimal(e, number) {  
    if (e.target.parentElement.id === "tigers") {  
      if (this.tigers+number >= 0) {  
        this.tigers += number;  
      }  
    } else if (e.target.parentElement.id === "lions") {  
      if (this.lions+number >= 0) {  
        this.lions += number;  
      }  
    } else if (e.target.parentElement.id === "keas") {  
      if (this.keas+number >= 0) {  
        this.keas += number;  
      }  
    } else if (e.target.parentElement.id === "kangaroos") {  
      if (this.kangaroos+number >= 0) {  
        this.kangaroos += number;  
      }  
    }  
  }  
}
```

```
    <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>  
  
  <button v-on:click="resetAll(0)">Reset all</button>  
  
  <ul>  
    <li>Tigers: {{ tigers }}</li>  
    <li>Lions: {{ lions }}</li>  
    <li>Keas: {{ keas }}</li>  
    <li>Kangaroos: {{ kangaroos }}</li>  
    <li>Moose: {{ moose }}</li>  
  </ul>  
</div>
```

Vocabulary

English	German
...	...



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