

# LU05.A16 - v-for list with 2-dimensional arrays

## Prerequisites

- Work type: Individual
- Means of aid: only teaching materials, no websearch, no use of ai.
- Timeframe: 20 Minutes
- Expected result: A Vue script that uses the v-for directive

## Learning objectives

1. Be able to explain the objective of v-for
2. Displaying the index and corresponding array entry using v-for.
3. Displaying array elements and the corresponding images with v-for.

## Source

[v-for code-example](#)

## Assignment 1

It can happen, that we need not only to display the images of our products, but want also to provide additional information to them. That invariably leads to having to handle two or more arrays in our source code. For more information consult the following link [multi-dimensional arrays](#)

1. Go to the link to the task mentioned in the source and save it with the appropriate name in your W3School workspace.
2. Change the first x to z and observe what happens.
3. Execute your script. -> The images will disappear.
4. Then change the second x to a z -> The images will appear again.
5. Note down, for what the first respectively the second usage of x stands for.

## Assignment 2

It can happen, that besides the image, we also want to display the description of our products on our website. That means, that it is time for some elbow grease. We want to handle a multi-dimensional array. Have fun with the challenge.

1. E.g.: Multidimensional arrays are managed as follows: **manyBeaches: [{name: 'Sunset', url: './public/beach1.jpg', stat: 'Nice'}, ... ]**

2. Name the already existing entries: **img**
3. As we just changed the dimension of our array, we need to adjust the call in the v-for-part from z to z.img.
4. Add a <figure>-tag just after the div tag, and resettle the v-for in it. The end of the
5. Execute your script. If everthing was done properly you will see the images as before.
6. Now add a comment-column to you food-list (array). If you like it: **OK**. If not: **NOK**
7. Display the comment with a figcaption-tag by using **z.comm** within a double bracket **{{}}**.
8. Execute your script. If everthing was done properly you will see the images as before AND the comment below the image.
9. Do the same with the names of the dishes.
10. Execute your script. If everthing was done properly you will see the images as before, the status, but now also the names of the dishes.
11. Comment you script accordingly an save it.

## Solution

[Lösung](#)

## Vocabulary

| English | German    |
|---------|-----------|
| bulb    | Glühbirne |



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