0409 Paper - Operators and List

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1 Operators and Lists

We can use in to check if an element is contained in another element.

1.0.1 The in-Operator and Lists

There are also operators for lists; for example, we can use the **in** operator to check whether an element is contained in a list.

Formally, the syntax looks like this: element in list

The result of such a query is a Boolean, i.e. the value is either True or False. This allows us to use expressions with the in operator in if-else structures:

1.0.2 The in operator and strings

In fact, the in operator can also be applied to strings. For example, we can check whether a letter or character is contained in a word, or a word in a sentence, etc.

```
In [4]: sentence = "Yes, Monika studies here!"
    if "!" in sentence:
        print("YES")
    else:
        print("NO")

YES

In [5]: word = "Studies"
    if "ies" in word:
        print("YES")
    else:
        print("NO")
```

1.0.3 Why don't you play around with what you've learned a little bit?

• Check some strings with the in operator! :-)

```
In []:
```