## **Variables**

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## 1 Variables

variables are a generally essential concept of programming languages. You can think of a variable as a kind of container in which you can, for example, store a number for later reuse.

In Python you can introduce a variable and assign a value to it by writing: **variableName = number** 

Note that a variable name may **not** start with a number!

In concrete terms, the definition of a variable can look something like this:

```
In [2]: a = 5
```

Instead of a value, there may also be an calculation to the right of the equals sign that returns a number as the result:

```
In [1]: a = 5 + 6
```

At another place in the program you then access the number via the variable name. You can use the variable in a print() function, for example:

```
In [5]: print(a)
11
```

You can also calculate with variables in which numbers are stored:

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

• Output some calculation results by print(), but save numbers and partial results in variables! :-)

## In []: