Second chapter
A path to analysis

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Review
Basic structure

♣ Review is a merit. Great deal of different data formats are really confusing. Let's take our time to review what we've learned in last class.

♣ review.py

Make progress

Control structure

- ♣ You may already known the control structure in other computer languages. In most cases, they are: "for", "while"and etc. Let's have a look of how they work in a python script.
- ♣ Control.py

Make progress

Function

- ♣ The last section of basic knowledge is how to use the function to conduct a set of more complicated function.
- ♣ def, return $\Rightarrow$ map,filter,reduce
- ♣ funexample.py

Make progress

Function

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♣ def, return ⇒ map,filter,reduce

♣ funexample.py

Moreover

Sophisticated data structure

♣ We have already learned almost all the kinds of basic data, however, it's too monomonotonous for demanded user cause unidimensional dataset may futile or ineffective in most cases. Thus, a concept of NumPy dataset is introduced in.(Basic numpy.ndarray)

♣ Numpydata.py

Moreover

Sophisticated data structure

♣ Though the professional data storage do ameliorate the speed of dealing, some difficulties come as well. To surmount, Structure Array will be introduced in.

♣ sarray.py