

0.1 Plain text

Here is some plain text.

Now we add some python code with output:

```
total = 0
for number in range(10):
    total = total + (number + 1)
print(total)
```

55

And some data

```
time,count
60,10000
90,25587
120,76327
150,212715
180,619511
210,1940838
240,4240760
270,13993730
300,38971086
330,105614040
```

```
-----
NameError                                Traceback (most recent call last)
<ipython-input-3-ba646fa42c88> in <module>
----> 1 time,count
      2 60,10000
      3 90,25587
      4 120,76327
      5 150,212715
```

0.2 Explanation

Let's explain some of this code (setting the code to be unexecutable):

The for loop:

```
for number in range(10):
    total = total + (number + 1)
```

Goes through numbers 0 to 9 and adds 1 more than each number to the total variable.

0.3 Table

The data on exponential growth can be found in the table below.

| time | count |
|------|-----------|
| 60 | 10000 |
| 90 | 25587 |
| 120 | 76327 |
| 150 | 212715 |
| 180 | 619511 |
| 210 | 1940838 |
| 240 | 4240760 |
| 270 | 13993730 |
| 300 | 38971086 |
| 330 | 105614040 |

0.4 Figure

See figure ?? for an illustration that explains the python dictionary concept.

The figure was taken [from Wikimedia Commons](#).

0.5 Math

Now we add some mathematical formula:

$$K_n = rwTK_{n-1} \left(1 - \frac{K_{n-1}}{H} \right) - K_{n-1}.$$

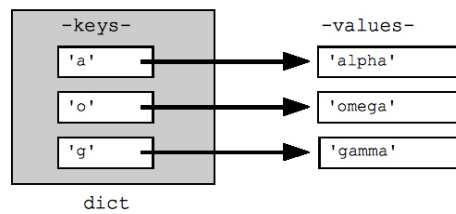


Figure 1: Data structure concept of a dictionary in python.