python-demo

November 5, 2016

1 A brief demo of some Python concepts

1.1 Working with classes

Coming soon...

1.2 Closures

From programiz's closure article

First, lets define a nested function:

```
In [1]: def print_msg(msg):
            """This is the outer enclosing function"""

            def printer():
                """This is the nested function"""
                print(msg)

            return printer  # this got changed
```

Now call the parent function (yell at it to be more specific) and assign the result to a variable:

```
In [2]: yell = print_msg("AAAAHHHH")
```

Wait.. nothing happened...

Lets call the result:

```
In [3]: yell()
```

```
AAAAHHHH
```

There we go.

We now have an instance of the print function that's bound to the variable yell. The value in the enclosing scope is remembered even when the variable goes out of scope or the function itself is removed from the current name space.