VizLab API is designed to explore museums’ collections. The API provides direct access to the data of the museums.

import urllib3 # first, import the urllib3 module:

http = urllib3.PoolManager() # a PoolManager instance to make requests. This object handles all of the details of connection pooling

# Find all of the objects with the word "cat" in the title and return only a few fields per record

def url():

s = input("please enter a museum name: ")

new\_string = s

return new\_string

def object\_name():

s1 = input("please enter a object name: ")

object\_string = s1

return object\_string

print(object\_name());

r = http.request('GET', url(),

# request() to make requests using any HTTP verb

fields = {

'apikey': 'YOUR APIKEY HERE',

'title': object\_string(),

'fields': 'objectnumber,title,dated'

})

print(r.status, r.data)

urllib3

urllib3 is a powerful, sanity-friendly HTTP client for Python. urllib3 brings many critical features that are missing from the Python standard libraries: Connection pooling, Client-side SSL/TLS verification, etc.

## **Installing**

urllib3 can be installed with [pip](https://pip.pypa.io/):

$ pip install urllib3

Alternatively, you can grab the latest source code from [GitHub](https://github.com/urllib3/urllib3):

$ git clone git://github.com/urllib3/urllib3.git

$ python setup.py install

### Flickr API Keys

We need to create a pair of Flickr API keys by visiting <https://www.flickr.com/services/api/keys/>. Note: A Yahoo! account is required to generate the API keys.

Flickr will generate two keys:

* A public key, which they call key
* A private key, which they call secret

### flickrapi installation

Create a [virtual environment](http://docs.python-guide.org/en/latest/dev/virtualenvs/), and then install the flickrapi Python library via

$ pip install flickrapi

## **Search Flickr Images**

Here's an example that searches Flickr for the term "kitten" and retrieves the first 10 results.

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11 | **from** flickrapi **import** FlickrAPI  FLICKR\_PUBLIC **=** 'Your Flickr Key'  FLICKR\_SECRET **=** 'Your Flickr Secret Key'  flickr **=** FlickrAPI(FLICKR\_PUBLIC, FLICKR\_SECRET, format**=**'parsed-json')  extras**=**'url\_sq,url\_t,url\_s,url\_q,url\_m,url\_n,url\_z,url\_c,url\_l,url\_o'  cats **=** flickr**.**photos**.**search(text**=**'kitten', per\_page**=**5, extras**=**extras)  photos **=** cats['photos']  **from** pprint **import** pprint  pprint(photos) |