Py Zip Code API Documentation

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Contents

Py ZipCodeApi will make it easier for you to use the different options in ZipCodeAPI.

CHAPTER 1

Installation

Use pip to install from PyPI:

```
pip install pyzipcodeapi
```

Register for free `api_key` here.

CHAPTER 2

Options

As mentioned in the original website. the following options are supported in this package :

- distance
- multi-distance
- radius
- multi-radius
- match-close
- info
- multi-info
- city-zips
- state-zips
- radius-sql

CHAPTER 3

Example

```
# set different inputs
f2 = FormatEnum.JSON
ud = DistanceUnitEnum.KM
ug = GeoUnitEnum.DEGREES
us = CountryEnum.US
ca = CountryEnum.CA
zca = ZipCodeApi(api_key=API_KEY, f=f2, country=us)
# https://www.zipcodeapi.com/rest/<api_key>/distance.<format>/<zip_code1>/<zip_code2>/
↪<units>
print(zca.distance(zip_code1="94106", zip_code2="94132", units=ud))
print("------------------")
# https://www.zipcodeapi.com/rest/<api_key>/multi-distance.<format>/<zip_code>/<other_
↪zip_codes>/<units>
print(zca.multi_distance(zip_code="94106", zip_codes=["94132"], units=ud))
print("------------------")
# https://www.zipcodeapi.com/rest/<api_key>/radius.<format>/<zip_code>/<distance>/
↪<units>
print(zca.radius(zip_code="94120", distance=5, units=ud, minimal=False))
print("------------------")
# https://www.zipcodeapi.com/rest/<api_key>/multi-radius.<format>/<zip_code>/
↪<distance>/<units>
print(
    zca.multi_radius(
        distance=5,
        zip_codes=["22911", "22902"],
        addresses=["1827 Glissade Ln, Charlottesville VA 22911"],
        units=ud,
    )
)
print("------------------")
# https://www.zipcodeapi.com/rest/<api_key>/match-close.<format>/<zip_codes>/
↪<distance>/<units>
print(zca.match_close(zip_codes=["22911", "22902"], distance=120, units=ud))
print("------------------")
```

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```
# https://www.zipcodeapi.com/rest/<api_key>/info.<format>/<zip_code>/<units>
print(zca.info(zip_code="22911", units=ug))
print("------------------")
# https://www.zipcodeapi.com/rest/<api_key>/multi-info.<format>/<zip_code>/<units>
print(zca.multi_info(zip_codes=["22911"], units=ug))
print("------------------")
# https://www.zipcodeapi.com/rest/<api_key>/city-zips.<format>/<city>/<state>
print(zca.city_zip_codes(city="New York", state="VA"))
print("------------------")
# https://www.zipcodeapi.com/rest/<api_key>/state-zips.<format>/<state>
print(zca.state_zip_codes(state="VA"))
print("------------------")
# https://www.zipcodeapi.com/rest/<api_key>/radius-sql.<format>/<lat>/<long>/<lat_
↪long_units>/<distance>/<units>/
# <lat_field_name>/<long_field_name>/<precision>
print(
    zca.radius_sql(
        lat=37.722223,
        long=-122.484048,
        lat_long_units=ug,
        distance=5,
        units=ud,
        lat_field_name="lat",
        long_field_name="long",
        precision=4,
    )
)
```

CHAPTER 4

Output

for each request you make, you can choose between the different outputs :

- json
- csv (the output is an instance from CSV Reader Objects DictReader)
- xml

Warning: Depend on the option you will choose, Please refer to the original website to see the context of each output.

CHAPTER 5

Contributing

To contribute to PyZipCodeAPI create a fork on GitHub. Clone your fork, make some changes, and submit a pull request.

CHAPTER 6

Issues

Use the GitHub issue tracker for PyZipCodeAPI to submit bugs, issues, and feature requests.