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# COVID19Py 0.3.0



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Get Covid19 (Corona Virus) update by using Python package **COVID19Py 0.3.0**



Photo by **cottonbro** from **Pexels**

COVID19Py 0.3.0 is a tiny Python package for easy access to up-to-date Corona virus (COVID-19, SARS-CoV-2) cases data.

In order install this package, simply run: `pip install COVID19Py`

Requirement already satisfied: COVID19Py in /home/hriday/anaconda3/envs/TensorFlow/lib/python3.7/site-packages (0.3.0)  
Note: you may need to restart the kernel to use updated packages.

To use COVID19Py, you first need to import the package, simply run *import COVID19Py*

After importing package, you need to create a new instance, simply run `covid19 = COVID19Py.COVID19()`

If you face **No module named 'requests'**, simply run *pip install requests*

```
Collecting requests  
  Downloading https://files.pythonhosted.org/packages/1a/70/1935c770cb3be6e3a8b78ced23d7e0f3b187f5cbfab4749523ed65d7c9b1/requests-2.23.0-py2.py3-none-any.whl (58kB)  
    |████████████████████| 61kB 125kB/s et  
a 0:00:01
```

To get simply run,

```
location = covid19.getLocationByCountryCode("BD")
```

```
location_data = location[0]
```

*BD is the country code of Bangladesh*

```
In [4]: location = covid19.getLocationByCountryCode("BD")
location_data = location[0]
```

## Getting Latest Information

To get latest update of confirmed cases, deaths and recovered, simply run

```
data = dict(location_data['latest'])
print(data)
```

```
In [6]: data = dict(location_data['latest'])
print(data)
{'confirmed': 218, 'deaths': 20, 'recovered': 0}
```

## Let's try it for USA

```
In [8]: location = covid19.getLocationByCountryCode("US")
location_data = location[0]

In [9]: data = dict(location_data['latest'])
print(data)
{'confirmed': 429052, 'deaths': 14695, 'recovered': 0}
```

## Getting All Data At Once:

You can also get all the available data with one command. Simply run, `data = covid19.getAll()`

```
In [12]: data = covid19.getAll()
print(data)
```

```
{'latest': {'confirmed': 1511104, 'deaths': 88338, 'recovered': 0},
'locations': [{'id': 0, 'country': 'Afghanistan', 'country_code': 'AF', 'country_population': 29121286, 'province': '', 'last_updated': '2020-04-09T19:13:53.132904Z', 'coordinates': {'latitude': '33', 'longitude': '65'}}, {'id': 1, 'country': 'Albania', 'country_code': 'AL', 'country_population': 2986952, 'province': '', 'last_updated': '2020-04-09T19:13:53.144735Z', 'coordinates': {'latitude': '41.1533', 'longitude': '20.1683'}}, {'id': 2, 'country': 'Algeria', 'country_code': 'DZ', 'country_population': 34586184, 'province': '', 'last_updated': '2020-04-09T19:13:53.152547Z', 'coordinates': {'latitude': '28.0339', 'longitude': '1.6596'}}, {'id': 3, 'country': 'Andorra', 'country_code': 'AD', 'count
```

If you want to see with timelines, simply run `data = covid19.getAll(timelines=True)`

```
In [14]: data = covid19.getAll(timelines=True)
print(data)
```

```
{'latest': {'confirmed': 1511104, 'deaths': 88338, 'recovered': 0},
'locations': [{'id': 0, 'country': 'Afghanistan', 'country_code': 'AF', 'country_population': 29121286, 'province': '', 'last_updated': '2020-04-09T19:13:53.132904Z', 'coordinates': {'latitude': '33', 'longitude': '65'}}, {'id': 1, 'country': 'Albania', 'country_code': 'AL', 'country_population': 2986952, 'province': '', 'last_updated': '2020-04-09T19:13:53.144735Z', 'coordinates': {'latitude': '41.1533', 'longitude': '20.1683'}}, {'id': 2, 'country': 'Algeria', 'country_code': 'DZ', 'country_population': 34586184, 'province': '', 'last_updated': '2020-04-09T19:13:53.152547Z', 'coordinates': {'latitude': '28.0339', 'longitude': '1.6596'}}, {'id': 3, 'country': 'Andorra', 'country_code': 'AD', 'count
```

**GitHub link:** <https://github.com/rashidulhasanhridoy/Medium-Story/blob/master/COVID19Py%200.3.0.ipynb>

**API Link:** <https://github.com/ExpDev07/coronavirus-tracker-api/blob/master/README.md#picking-data-source>

**Thanks for reading.**

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