MILESTONE 3 - Accessing Data from MySQL Database by using Python

Topic : Twitter Sentiment Analysis on Covid19 and Depression

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Link : https://github.com/aimihassin/WQD7005---Data-Mining-Milestones

Installing MySQLdb into Ubuntu terminal

- sudo apt-get install python-mysqldb

Log in into python

- /usr/bin/python

In python:

Connect

```
db = MySQLdb.connect(host="localhost",
                     user="your_username",
                     passwd="your_password",
                     db="COVIDEP")

cursor = db.cursor()
```

Execute SQL select statement cursor.execute("SELECT * FROM tweets")

Commit your changes if writing In this case, we are only reading data db.commit()

Get the number of rows in the resultset

```
numrows = cursor.rowcount
```

Get and display one row at a time

```
for x in range(0, numrows):
    row = cursor.fetchone()
    print row[0], "-->", row[1]
```

Close the connection

```
db.close()
```

Results

```
>>> db = MySQLdb.connect(host="127.0.0.1", user="root", password="root", db="COVIDEP")
>>> cursor = db.cursor()
```

```
>>> cursor.execute("SELECT * FROM tweets")
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>>> numrows = cursor.rowcount
>>> for x in range(0, numrows):
...     row = cursor.fetchone()
...     print row[0], "-->", row[1]
...
 --> location
0 --> "Detroit
#coron --> "[{'text': 'coronavirus'
1 --> "Queensland
2 --> Cambridgeshire
3 --> "Cambridge
4 -->
5 --> "Rochester
6 --> "Calgary
#COVID --> "[{'text': 'stress'
7 -->
8 --> Maine
9 --> "Massachusetts
```

```
#depre --> None
#isola --> "[{'text': 'depression'
12503 -->
https: --> "[{'text': 'stress'
15000 --> Mumbai
17500 -->
 --> None
The wo --> "[{'text': 'recession'
17501 --> At a baseball field.
17502 --> "Seattle
 --> None
If you -->  don't hesitate to phone 1-800-273-8255 or chat
 --> None
Crisis --> None
 --> None
More r --> None
 --> None
#depre --> None
#isola --> []
17503 -->
https: --> "[{'text': 'stress'
20000 --> San Diego
   --> None
https: --> "[{'text': 'COVID'
20001 --> "Durban
22500 --> "England
22501 -->
https: --> "[{'text': 'Parvathy'
22502 --> "New Delhi
 --> None
Read M --> None
 --> None
#Food  --> "[{'text': 'Food'
22503 --> #Happiness #inspiration #love #grief #addiction #m
>>>
>>>
```