```
import sqlite3
import numpy as np
import time
t0=time.time()

db = sqlite3.connect('data/thdb')
cursor = db.cursor()

punc = '!"#$%&\'()*+,-./:;<=>?@[\\]^_`{|}~’…—'
stopWordsNoP = ["rt","a","about","above","after","again","against","all","
am","an","and","any","are","arent","as","at","be","because","been","before"
,"being","below","between","both","but","by","cant","cannot","could","
couldnt","did","didnt","do","does","doesnt","doing","dont","down","during",
"each","few","for","from","further","had","hadnt","has","hasnt","have","
havent","having","he","hed","hell","hes","her","here","heres","hers","
herself","him","himself","his","how","hows","i","id","ill","im","ive","if",
"in","into","is","isnt","it","its","its","itself","lets","me","more","most"
,"mustnt","my","myself","no","nor","not","of","off","on","once","only","or"
,"other","ought","our","ours","ourselves","out","over","own","same","shant"
,"she","shed","shell","shes","should","shouldnt","so","some","such","than",
"that","thats","the","their","theirs","them","themselves","then","there","
theres","these","they","theyd","theyll","theyre","theyve","this","those","
through","to","too","under","until","up","very","was","wasnt","we","wed","
well","were","weve","were","werent","what","whats","when","whens","where","
wheres","which","while","who","whos","whom","why","whys","with","wont","
would","wouldnt","you","youd","youll","youre","youve","your","yours","
yourself","yourselves"]

def stopWordRemover (text, swords):
    return list(set([word for word in text.split() if word.lower() not in
swords]))

def linkRemover (text):
    return list(set([word for word in text.split() if not (word.lower().
startswith('www.') or word.lower().startswith('http'))]))


cursor.execute('''SELECT tweet, class FROM tweetsTest''')
testSet = cursor.fetchall()

randT = np.random.randint(0,len(testSet))
tweet = testSet[randT][0]
print("tweet:\n"+tweet)
tweetNP = tweet.translate(str.maketrans("", "", punc))
tweetNPSW = ' '.join(stopWordRemover(tweetNP, stopWordsNoP))
testString = ' '.join(linkRemover(tweetNPSW))
print("preprocessed tweet:\n"+testString)

cHil = np.empty(0)
cTru = np.empty(0)

for word in testString.split():
    w = cursor.execute("SELECT EXISTS(SELECT 1 FROM wordsp WHERE word = ?)"
, (word,))
    if w.fetchone()[0]:
        cursor.execute('''SELECT phil FROM wordsp WHERE word = ?''', (word,
```

```
36 ))
37         phil = cursor.fetchall()[0][0]
38         cHil = np.append(cHil, [phil])
39         cursor.execute('''SELECT ptru FROM wordsp WHERE word = ?''', (word,
   ))
40         ptru = cursor.fetchall()[0][0]
41         cTru = np.append(cTru, [ptru])
42
43 cHil = np.prod(cHil)
44 cTru = np.prod(cTru)
45
46 chances = np.array([cHil, cTru])
47 max = chances.max()
48 if max == cHil:
49     if str(testSet[randT][1]) == "HillaryClinton":
50         print("true Hillary")
51     elif str(testSet[randT][1]) == "realDonaldTrump":
52         print("false Hillary")
53 elif max == cTru:
54     if str(testSet[randT][1]) == "realDonaldTrump":
55         print("true Trump")
56     elif str(testSet[randT][1]) == "HillaryClinton":
57         print("false Trump")
58 else:
59     print("Something is seriously wrong!")
60     print("Label was "+str(testSet[randT][1]))
61
62 db.close()
63 t1 = time.time()
64 print("Total time: "+str(t1-t0))
```