

English to Russian Translator

This script will translate English text to Russian text and save output to .txt file.

```
In [1]: #create russian translator function
from google_trans_new import google_translator

def russian_trans(str):
    translator = google_translator()
    translated = translator.translate(str, lang_src='en', lang_tgt='ru')
    return str + ' // ' + translated

russian_trans("Let's drink some wine!")
```

Out[1]: "Let's drink some wine! // Выпьем вина! "

```
In [56]: #create a list of translations
ru_text = []

ru_text.append(russian_trans('Tonight we drink bourbon!'))
ru_text.append(russian_trans('I passed all my classes and exams.'))
ru_text.append(russian_trans('My water heater is broken.'))
ru_text.append(russian_trans('Where is the bathroom?'))

for trans in ru_text:
    print(trans)
```

Tonight we drink bourbon! // Сегодня мы пьем бурбон!
I passed all my classes and exams. // Сдал все уроки и экзамены.
My water heater is broken. // Мой водонагреватель сломан.
Where is the bathroom? // Где здесь ванная комната?

```
In [62]: #save translations to .txt file
with open(r'C:\Users\keith\OneDrive\Desktop\Python Scripts-Russian Translations.txt', 'w',
          encoding="utf-8") as my_file:
    my_file.write('Common Phrases in Russian!' + '\n' + '\n')
    for trans in ru_text:
        my_file.write(trans + '\n')
```

```
In [57]: #lets also get pronounciations
def russian_pronounce(str):
    pronounce = translator.translate(str, lang_src='en', lang_tgt='ru', pronounce=True)
    return pronounce[2] + ' // ' + str

russian_pronounce('It is snowing outside.')

ru_pronounce = []

ru_pronounce.append(russian_pronounce('Lets go snowboarding.'))
ru_pronounce.append(russian_pronounce('Jazz is my favorite music.'))
ru_pronounce.append(russian_pronounce('I can play guitar'))
ru_pronounce.append(russian_pronounce('My brother is very strong.'))

for trans in ru_pronounce:
    print(trans)
```

Poyekhali pokatat'sya na snouborde. // Lets go snowboarding.
Dzhaz - moya lyubimaya muzyka. // Jazz is my favorite music.
YA mogu igrat' na gitare // I can play guitar
Moy brat ochen' sil'nyy. // My brother is very strong.

Translate French News Website to English

This script with translate h1,h2,h3 tags to English, place into list and save as .txt file.

```
In [3]: #translate French news website headlines to English
import requests
from bs4 import BeautifulSoup
import urllib.request
import pandas as pd
from pandas import DataFrame

url = 'https://www.monde-diplomatique.fr/'
reqs = requests.get(url)
soup = BeautifulSoup(reqs.text, 'lxml')

news = []

for heading in soup.find_all(["h1", "h2", "h3"]):
    news.append(heading.text.strip())

translator = google_translator()

df = DataFrame(news, columns=['French'])
df['English'] = df['French'].apply(translator.translate, lang_src='fr',
                                   lang_tgt='en')

df.head(5)
```

```
Out[3]:
```

	French	English
0	Le couscous fait l'union	Couscous unites
1	Un trumpisme sans Donald Trump	Trumpism without Donald Trump
2	La justice est-elle possible au Kosovo ?	Is justice possible in Kosovo?
3	Le chiffon rouge de la liberté universitaire	The red rag of academic freedom
4	Inoxydable monarchie britannique	Stainless British monarchy

```
In [74]: #turn translations into a list and save to .txt file
fr_headlines = df['English'].values.tolist()

for headline in range(5):
    print(fr_headlines[headline])

with open(r'C:\Users\keith\OneDrive\Desktop\Python Scripts\French Headlines.txt', 'w',
          encoding="utf-8") as my_file:
    my_file.write('French Headlines from Today' + '\n' + '\n')
    for headline in fr_headlines:
        my_file.write(headline + '\n')
```

```
Couscous unites
Trumpism without Donald Trump
Is justice possible in Kosovo?
The red rag of academic freedom
Stainless British monarchy
```