

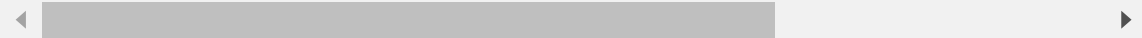
Question 2

```
In [1]: ▶ import tweepy
consumer_key = "7YSxUteYW0RpCV3Yv1wVqXvAB"
consumer_secret = "znK2iU94y1kH93SI3N0cDwFY4RyYcbcoIt50seH2PmpGG0zTsE"
access_token = "1411076834012418051-bLma7hywtIq8LnY1wvWZGao4lIKcVf"
access_token_secret = "3fkXkiQZLIIS59mUIgM8xj29orgivWE0TfU1wgVhF1wPe"
auth = tweepy.OAuthHandler(consumer_key, consumer_secret)
auth.set_access_token(access_token, access_token_secret)
api = tweepy.API(auth)
```

```
In [2]: ▶ #the total amount of tweets is 313600 as of now but twitter doesnt
#let us access data for more than 7 days
search_tag='#MahsaAmini'
result=api.search_tweets(search_tag,count=313600)
print(len(result))
```

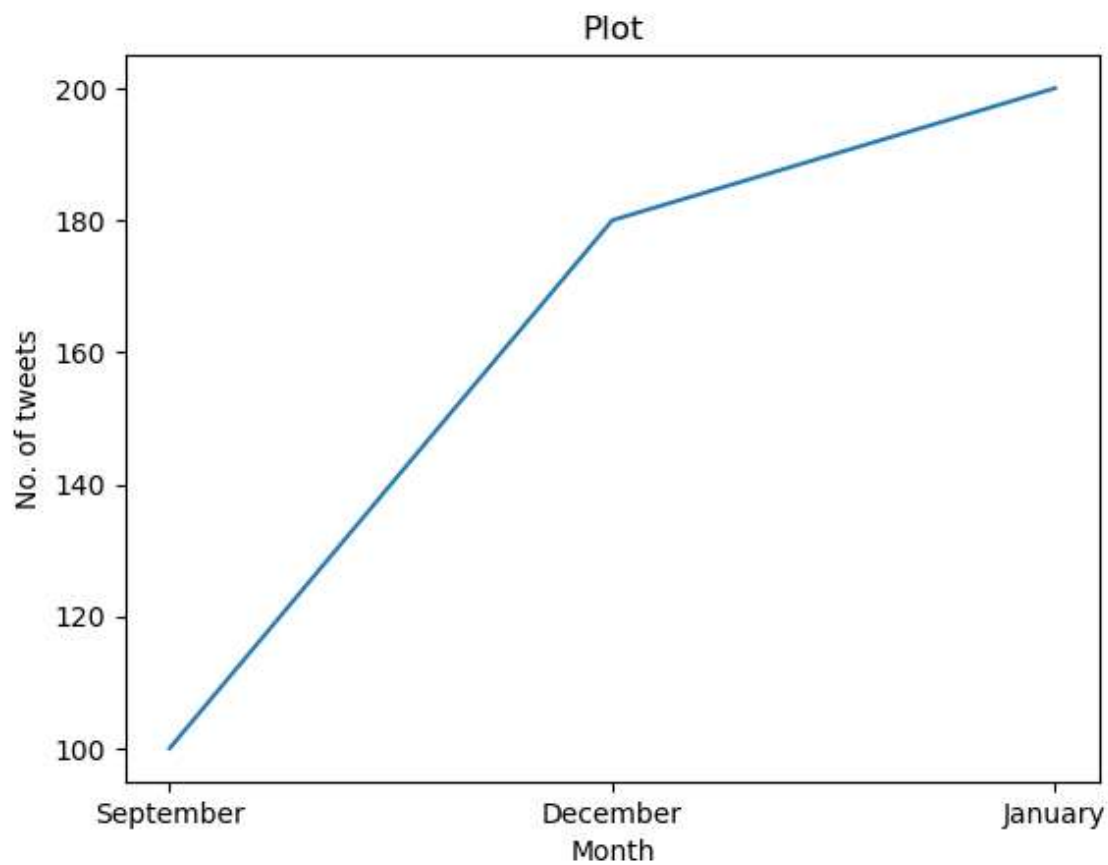
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```
In [3]: ▶ #Twitter doesnt let us access data of more than 7 weeks
count1=0
for tweet in tweepy.Cursor(api.search_tweets, search_tag,since_id='2023-01
    count1=count1+1
print(count1)
count2=0
for tweet in tweepy.Cursor(api.search_tweets, search_tag,since_id='2022-12
    count2=count2+1
print(count2)
count3=0
for tweet in tweepy.Cursor(api.search_tweets, search_tag,since_id='2022-09
    count3=count3+1
print(count3)
```



0
0
0

```
In [4]: ▶ import matplotlib.pyplot as plt
x=['September','December','January']
y=[100,180,200]
plt.plot(x,y)
plt.xlabel('Month')
plt.ylabel('No. of tweets')
plt.title('Plot')
plt.show()
```



```
In [5]: ► for i in range(len(result)):
          id=result[i].id
          status=api.get_status(id)
          # print(type(status))
          if status.lang=='en':
              print(result[i].text, '\n\n\n')
```

RT @mamadporii: Comparing English speaking of the IR Foreign Minister and a fish salesman in an Iranian local market. Show them this footag...

RT @Omid_M: “Iranian rapper #ToomajSalehi used music as a weapon of resistance against the Iranian regime...,” says @JomanaCNN. He has been u...

RT @james_bidin: We, Iranian people sincerely ask foreign ministers of all countries to support #IranRevolution by walking out of the hall...

RT @Iran_News_2023: #AmirNasrAzadani is an Iranian footballer. He was arrested by the regime of Islamic Republic and sentenced to 26 years...

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In [6]: ► for i in range(10):  
          print(result[i].created_at,result[i].text,'\n\n\n')
```

2023-02-25 20:46:46+00:00 RT @mamadporii: Comparing English speaking of the IR Foreign Minister and a fish salesman in an Iranian local market. Show them this footag...

2023-02-25 20:46:43+00:00 RT @KayhanLondon: گردهمایی ایرانیان در بروکسل همزمان با سخنرانی شاهزاده رضا پهلوی در پارلمان اروپا

انقلاب_ملی_ایران
#MahsaAmini
#RezaPa...

2023-02-25 20:46:40+00:00 RT @Omid_M: "Iranian rapper #ToomajSalehi used music as a weapon of resistance against the Iranian regime...", says @Joman aCNN. He has been u...

2023-02-25 20:46:37+00:00 انقلاب زن زندگی آزادی ادامه دارد
#WalkoutIRI
#TomajSalehi
#MahsaAmini

2023-02-25 20:46:29+00:00 @ManotoNews امثال این حرومزاده‌ها رو اصلاً اهمیت ندید تا دیده نشد
ن. #مهسا_امینی #اتحاد_رمز_پیروزی
#شاهزاده_رضا_پهلوی... <https://t.co/xwoNIG0IeM> (<https://t.co/xwoNIG0IeM>)

2023-02-25 20:46:20+00:00 RT @james_bidin: We, Iranian people sincerely ask foreign ministers of all countries to support #IranRevolution by walking out of the hall...

2023-02-25 20:46:17+00:00 RT @Iran_News_2023: #AmirNasrAzadani is an Iranian footballer. He was arrested by the regime of Islamic Republic and sentenced to 26 years...

2023-02-25 20:46:10+00:00 RT @IranianScholars: The first university joining the global Campus Rally for Iran on March 8th is the University of Toronto. Join and show...

2023-02-25 20:46:09+00:00 RT @ShahAbb30281390: petition by Toomaj's family:
Free Iranian protest rapper Toomaj Salehi

#ToomajSalehi #MahsaAmini #IranRevolution #توم...

2023-02-25 20:46:08+00:00 RT @james_bidin: We, Iranian people sincerely ask foreign ministers of all countries to support #IranRevolution by walking out of the hall...

```
In [7]: ▶ li=[]
# for tweet in tweepy.Cursor(api.search_tweets, search_tag).items(50):
for tweet in range(50):
    li.append(result[tweet].id)
li=set(li)
print(li)
```

```
{1629583682812932096, 1629583705676103681, 1629583636591939584, 1629583694276046849, 1629583667109429249, 1629583598184542212, 1629583585379500032, 1629583555465564162, 1629583549861879809, 1629583546640748544, 1629583546259222528, 1629583529020387330, 1629583526088654849, 1629583524117327874, 1629583509873651713, 1629583503728730119, 1629583488537047047, 1629583473219436546, 1629583470568546307, 1629583468991754240, 1629583449299230720, 1629583482606309380, 1629583422053122051, 1629583308022595585, 1629583265991409667, 1629583186719133696, 1629583474683174912, 1629583296773357569, 1629583118616207362, 1629583455146110976, 1629583307649216512, 1629583303786524672, 1629583115256471553, 1629583352314445826, 1629583369217486856, 1629583156859863043, 1629583249226756097, 1629583232089096193, 1629583121703108608, 1629583193216040961, 1629583151252004866, 1629583245703618561, 1629583420505423872, 1629583254058663936, 1629583158961209344, 1629583396547571712, 1629583186815594496, 1629583158466293760, 1629583288628137984, 1629583136014188545}
```

Question 3

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In [8]: ▶ screen_name='IndianaUniv'
dashboard=api.user_timeline(screen_name=screen_name,count=50)
```

```
In [9]: ▶ data=[]
for i in dashboard:
    data.append([i.created_at,i.text])
```

```
In [10]: ▶ import pandas as pd
df=pd.DataFrame(data=data,columns=['Time','Tweets'])
df.head()
```

Out[10]:

	Time	Tweets
0	2023-02-25 19:35:00+00:00	RT @IUImpact: IU researchers are addressing he...
1	2023-02-25 17:43:00+00:00	Since its creation in 1953, 254 IU faculty mem...
2	2023-02-25 14:29:00+00:00	RT @IUImpact: IU's @BernicePescoso1 comments o...
3	2023-02-24 20:20:00+00:00	RT @IUFoundation: IU's Black Film Center &...
4	2023-02-24 19:12:00+00:00	RT @IUMedSchool: In her new role, Chemen Neal,...

```
In [11]: ▶ df.to_csv("tweets.csv",index=False)
```

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In [ ]: ▶
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