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COURSE : SMA(SOCIAL MEDIA ANALYTICS)

```
In [2] : import twitter
import json

In [3] : CONSUMER_KEY = 'OSqbH1JtzbkFPqoP0uPk7FW1W'
CONSUMER_SECRET = 'HRNA2LvXX4qmqP9wwoJ2sedD40Qc7T4mY9nr1SnFbLYjTLEnR2'
OAUTH_TOKEN = '1426423302399033348-2IyoNslbI0ZspihGFgUIwvQoNZRPiI'
OAUTH_TOKEN_SECRET = 'g7KkRZ4sev0yRY3h4nRH1RFx0aQoQCwxZcl1EoApLt45Y'

auth = twitter.oauth.OAuth(OAUTH_TOKEN, OAUTH_TOKEN_SECRET,
                           CONSUMER_KEY, CONSUMER_SECRET)

twitter_api = twitter.Twitter(auth=auth)
```

```
In [4]: WORLD_WOE_ID = 1 #Where on Earth Identifier
INDIA_WOE_ID = 23424848
CHENNAI_WOE_ID = 2295424
# Prefix ID with the underscore for query string parameterization.
# Without the underscore, the twitter package appends the ID value
# to the URL itself as a special case keyword argument.

india_trends = twitter_api.trends.place(_id=INDIA_WOE_ID)
chennai_trends = twitter_api.trends.place(_id=CHENNAI_WOE_ID)

print(json.dumps(india_trends, indent=1))
print()
print(json.dumps(chennai_trends, indent=1))
```

```
[
  {
    "trends": [
      {
        "name": "#CO2SeAzaadi",
        "url": "http://twitter.com/search?q=%23CO2SeAzaadi",
        "promoted_content": null,
        "query": "%23CO2SeAzaadi",
        "tweet_volume": null
      },
      {
        "name": "#HappyBirthdayBeta",
        "url": "http://twitter.com/search?q=%23HappyBirthdayBeta",
        "promoted_content": null,
        "query": "%23HappyBirthdayBeta",
        "tweet_volume": 25400
      },
      {
        "name": "#FullPaisaVasoolSale",
        "url": "http://twitter.com/search?q=%23FullPaisaVasoolSale",
        "promoted_content": null,
        "query": "%23FullPaisaVasoolSale",
        "tweet_volume": 1611
      }
    ]
  }
]
```

```
In [5]: for trend in india_trends[0]['trends']:
        print(trend['name'])
```

```
#C02SeAzaadi
#HappyBirthdayBeta
#FullPaisaVasoolSale
#ProudOfYouHimantaBiswaSarma
Partition
GovNow With GuruPrakash
14 Months Of Injustice 2 SSR
#RememberingVilasraoDeshmukh
NOT FUNNY
```

```
one man army pratik
SBT Debit & Credit Cards
Sriyameva Jayate
Jinnah
monday to thursday
PHENOMENAL KDICE AS SHIVI
Nehru
WE LOVE SAI KETAN RAO
T&C Apply
Spotted
Unlock
Taechwita
Holocaust
Piyush Goyal
Bajrang Dal
Lord Mountbatten
ICICI
Jungwoo
Tata
Slim
Shop NOW
Indepence
Old Trafford
Navy
National Flag
Jammu
Adani
Azadi
Daddy
Palestine
Red Fort
#IndependenceDay
#KanyashreeDibas
#100DaysOfDMKGovt
#BlackDay
#ZiddiDil
#EMKbyNTRonGeminiTV
#विभाजन_विभीषिका_समृति_दिवस
#NTRsEMKfrom22ndAugust
#realmeGTIsHere
#EvaruMeeloKoteeswarulu
```

```
In [ ]: for trend in india_trends[0]['trends']:
        print(trend['name'])
```

```
#HappyBirthdayBeta
#SaturdayThoughts
#100DaysOfDMKGovt
#realmeGTIsHere
14 Months Of Injustice 2 SSR
#RememberingVilasraoDeshmukh
Partition
NOT FUNNY
PHENOMENAL KDICE AS SHIVI
WE LOVE SAI KEIAN RAO
Piyush Goyal
Taechwita
Tatas
Satyameva Jayate
indepence
भारत संकल्प
Jinnah
Bajrang Dal
Navy
NDTV
NOTA
Red Fort
Daddy
Shershah
jaemin
Arteta
Brentford
Azadi
Britishers
#KanyashreeDibas
#MasteryBeyondSpeed
#AkhandBharatDiwas
#PakistanIndependenceDay
#मोदी_किसानी_बर्बाद_करेगा
#Taskmaster2
#BJYMRajWelComesTejasvi
#SaturdayMorning
#SaturdayMotivation
#ZiddiDil
#SaturdayVibes
#6yearsofVAALU
#BharatKaYug
#AfghanistanBurning
#1DayToMSGBirthDay
#100DaysofDMKGovernment
#BlackDay
#अखंड_भारत_संकल्प_दिवस
#TNAgrriBudget2021
#Velan
#Paagal
```

```
In [7]: india_trends_set = set([trend['name']
                                for trend in india_trends[0]['trends']])

chennai_trends_set = set([trend['name']
                           for trend in chennai_trends[0]['trends']])

common_trends = india_trends_set.intersection(chennai_trends_set)

print(common_trends)
```

```
{'#CO2SeAzaadi', 'monday to thursday', '#BlackDay', '#IndependenceDay', '#Proud
OfYouHimantaBiswaSarma', 'Piyush Goyal', 'Spotted', 'Nehru', 'WE LOVE SAI KETAN
RAO', 'Unlock', 'NOT FUNNY', '14 Months Of Injustice 2 SSR', '#FullPaisaVasoolS
ale', 'SBI Debit & Credit Cards', '#EMKbyNTRonGeminiTV', 'Bajrang Dal', 'Tata',
'Adani', '#RememberingVilasraoDeshmukh', 'Daddy', 'Slim', 'Azadi', '#विभाजन_
विभीषिका_समृति_दिवस', 'Taechwita', 'Shop NOW', 'PHENOMENAL KDICE AS SHIVI', 'ICIC
I', 'National Flag', 'Jammu', 'Indepence', 'Navy', '#100DaysOfDMKGovt', 'Lord M
ountbatten', 'Holocaust', 'Old Trafford', '#KanyashreeDibas', 'T&C Apply', 'Sat
yameva Jayate', 'Jungwoo', '#ZiddiDil', '#HappyBirthdayBeta', 'GovNow With Guru
Prakash', 'Jinnah'}
```

In []: