Assignment1- By Eze Stanley(200383020)

Individual Performances of the Psquare(officialpsquare)

I am analyzing the individual performance of the musical duo Psquare using their separate Youtube channels based on the total views on all their videos. Psquare is made up of Peter(Peter's channel is MrPVEVO) and Paul (Paul's Channel is RudeboyVEVO)

Psqure is a R&B musical group and once the best group in the African music industry with a lot of fans all over the world. They produce and release their album through Square record. The people preferred them because of their vocal and choreographic performance. Pqsqure is not just blood brothers; they are twin brothers(Peter and Paul). This musical group has been functional until later 2017 when they parted ways. The fans of psquare are still finding it difficult to believe the family business does not exist anymore. There has been some war of words, blames and counter blames by the twin artists which has divided their fans into two groups — fans of Peter(now Mr. P) and Fans of Paul(now Rudeboy).

The question has been

1) What made psquare famous and successful? Was it the break dance display of Peter and the band group or the vocals of Paul?

2) Who has more fans between Peter and Paul?

3) Who is going to do better individually?

Above three questions are the reasons why I decided to scrap both Peter's and Paul's channels and extract their individual total views of all their videos uploaded since their seperation.

How to go about this

To acheive this project, I navigated through the url of both youtube channels. Using the inspect tool of the browser I was able to inspect the html DOM of the youtube pages to see how the elements are formated.

Since I am interested in all posted videos, I right clicked at the video Views section and was redirected to the video views section of the youtube channels. Using the div class "yt-lookup-content" and the "li" tag, I was able to grab the views for a video. Looping through this process enebled me to grab all the views for each of the channels.

```
#import image to google colab
from google.colab import files
from IPython.display import Image

uploaded = files.upload()
```
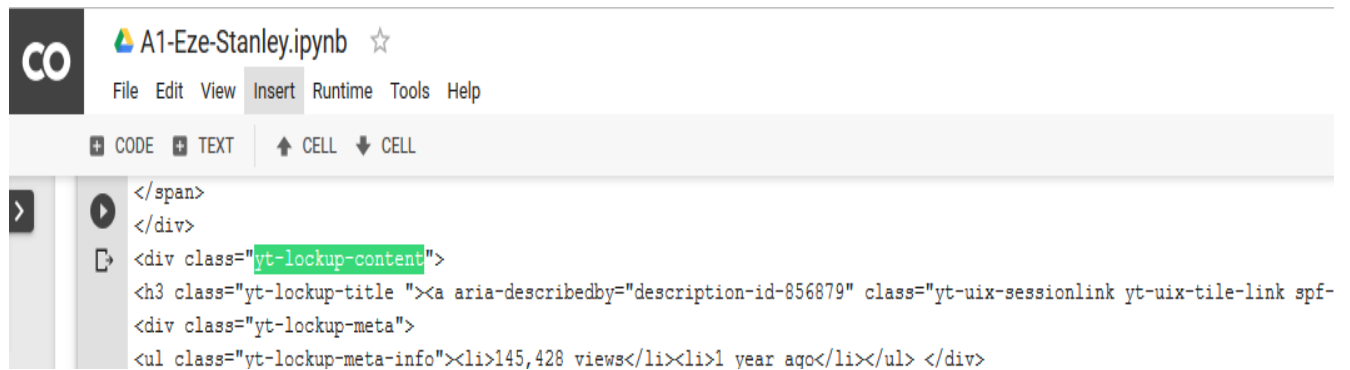
```
Choose Files   No file chosen     Upload widget is only available when the cell has been executed
                                   in the current browser session. Please rerun this cell to enable.
Saving class.PNG to class (2).PNG
```

```
#display screenshot
Image("class.PNG", width = 1200, height = 200)
```

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File   Edit   View   Insert   Runtime   Tools   Help

⊞ CODE   ⊞ TEXT   ⬆ CELL   ⬇ CELL

```
</span>
</div>
<div class="yt-lockup-content">
  <h3 class="yt-lockup-title "><a aria-describedby="description-id-856879" class="yt-uix-sessionlink yt-uix-tile-link spf-
  <div class="yt-lockup-meta">
  <ul class="yt-lockup-meta-info"><li>145,428 views</li><li>1 year ago</li></ul> </div>
```

```python
import requests
import urllib.request
import  time
from bs4 import BeautifulSoup


paul_url = "https://www.youtube.com/channel/UCtKPU_KKT7KwCQbss1vlZzA/videos"

peter_url = "https://www.youtube.com/channel/UC3K2E__TdJFRm8asC7KlFdQ/videos"


pauls_channel = requests.get(paul_url)

peters_channel = requests.get(peter_url)


paul_soup = BeautifulSoup(pauls_channel.text,"html.parser")
peter_soup = BeautifulSoup(peters_channel.text,"html.parser")


paul_videodetails = paul_soup.findAll("div",{"class":"yt-lockup-content"})
peter_videodetails = peter_soup.findAll("div",{"class":"yt-lockup-content"})


def totalViews(videodetails=[], *args):
  totalviews = 0;
  for video in videodetails:
    views = video.findAll("li")
    getnumberofviews = views[0].text.split(" ")[0]
    totalviews = totalviews+int(deleteCommaFromView(getnumberofviews))
  return totalviews


def deleteCommaFromView(stringValue): #view has comma seperated didits eg 1,234,786
  stringValue = stringValue.replace(",", "")
  return stringValue
```

OUTPUT

```python
print("Paul(Rudeboy) total views in 2years is = "+str(totalViews(paul_videodetails)))
print("Peter(Mr P) total views in 2years is = "+str(totalViews(peter_videodetails)))
```

```
Paul(Rudeboy) total views in 2years is = 52954252
Peter(Mr P) total views in 2years is = 22963662
```

Conclusion

From above output, Paul has more views(52,954,252) than Peter(22,963,662). Since Paul(Good Singer) has more views than Peter(Good Dancer), It shows that Psquare fans loved them because of their music and not their dance display. This shows that Paul contributed more to the success of the group than Peter