**file main.py**

di sini menampilkan menu menggunakan package simple-term-menu dan juga menggunakan looping untuk memilih menjalankan script scrapper comment instagram, Youtube, dan juga analisis.

untuk code instagram comment scrapper menggunakan package instaloader, fungsi scrapper juga di bagi 3 yaitu :

1. List User(ig-lists-craper.py)

Maksudnya adalah kita membuat wordlist username instagram yang akan kita scraping semua post commentnya.

/\* code membutuhkan akses login instagram jika bisa gunakan akun smurf \*/

user\_login = input("Username Login : ")

user\_pass = getpass.getpass("Password Login : ")

L = instaloader.Instaloader(max\_connection\_attempts=0)

L.login(user\_login, user\_pass)

/\* code untuk membaca file wordlist \*/

data\_json\_file = ()

with open("userlist.json", 'r') as f:

data\_json\_file = json.loads(f.read())

/\* code untuk mengambil semua comment yang ada di post username di wordlist menggunakan bantuan looping \*/

for loop\_userlist in data\_json\_file:

count = 1

profile = instaloader.Profile.from\_username(L.context, loop\_userlist)

usernamelist = []

captionlist = []

hashtaglist = []

likeslist = []

commentlist = []

followerlist = []

json\_data = []

for post in profile.get\_posts():

print("Data dari " + loop\_userlist + ", postingan ke " + str(count) + " dari " + str(profile.mediacount) + ".")

caption = post.caption

if caption is None:

caption = ""

if caption is not None:

caption = caption.encode('ascii', 'ignore').decode('ascii')

hashtag = post.caption\_hashtags

likes = post.likes

comments = []

for comment in post.get\_comments() :

comments.append(comment.text.encode('ascii', 'ignore').decode('ascii'))

usernamelist.append(loop\_userlist)

captionlist.append(caption)

hashtaglist.append(hashtag)

likeslist.append(likes)

commentlist.append(comments)

count = count+1

/\* code untuk menyimpan output ke csv file \*/

pd.options.display.max\_colwidth = 100

data = pd.DataFrame({"Account":usernamelist, "Post":captionlist, "Tag":hashtaglist, "Likes":likeslist, "Comments":commentlist})

timestring = time.strftime("%Y%m%d\_%H%M%S")

path =r'hasil/'

nama\_file = os.path.join(path, "Dataset\_" + loop\_userlist + "\_" + timestring + ".csv")

data.to\_csv(nama\_file)

print("Dataset\_" + loop\_userlist + "\_" + timestring + ".csv")

print("DONE!!! Check csv file di Directori hasil")

1. Post User Scraper(ig-post-scraper.py)

Code ini menscrape comment satu link post yang di input oleh user