Jonathan Moran
CPS 470/570
Assignement 2 - COMPLETE SUBMISSION
Task 1,2,3,4 - Report

Below I have the test (sample) run of my code using two user names:
@AnnieWesner
@swavey_jake

Task 1:

```
C:\Users\Jon\AppData\Local\Programs\Python\Python310\python.exe C:\Users\Jon\PycharmProjects\Assignment2\test.py
Verification Successful.
TASK 1 ----------------

User name:  Annie Wesner
Screen name:  AnnieWesner
User ID:  2279554219
Location:
User description:
 live boldly // UD
The number of followers:  408
The number friends:  312
The number of Tweets:  6009
User Url:  https://t.co/2cGqóVf1VL

User name:  Jake Swavey
Screen name:  swavey_jake
User ID:  3625043956
Location:
User description:
 UD '22
The number of followers:  142
The number friends:  135
The number of Tweets:  50
User Url:  None
```

Task 2: (all that was printed is in the following screenshots for Task 2)

```
TASK 2 ---------------

Screen Name:  AnnieWesner
Latest 20 followers:
follower: mishak21
follower: nicole_vanv
follower: haleysylvester1
follower: pat88897161
follower: elliehanold
follower: caggag_gerry
follower: johnmercs
follower: paigewavrek
follower: eccemaya
follower: EvanGolden17
follower: HSinkers
follower: WoltermanBrooke
follower: BadinNerdTeam
follower: WesnerConnie
follower: laurenparrino
follower: mariahemmelgarn
follower: _grich26
follower: delaney_jo0521
follower: a_stokes7
follower: abbeyhanson6
Friends (mutual following):
mutual friend: nicole_vanv
```

```
mutual friend: pat88897161
mutual friend: elliehanold
mutual friend: johnmercs
mutual friend: paigewavrek
mutual friend: eccemaya
mutual friend: BadinNerdTeam
mutual friend: laurenparrino
mutual friend: mariahemmelgarn
mutual friend: _grich26
mutual friend: delaney_jo0521
mutual friend: a_stokes7
mutual friend: abbeyhanson6

Screen Name:  swavey_jake
Latest 20 followers:
follower: magister_eth
follower: noahdablum
follower: kylar_smith
follower: nmeyers68
follower: Borojhwrestling
follower: KristinaBaber
follower: BigD2065
follower: hannahleighh
follower: TaylorDemoss2
```

```
follower: Chase_Marshall_
follower: 2KMANUEL
follower: BackupShs
follower: justinben4384
follower: MrAlexDeWerth
follower: ushantbeserious
follower: CalvinWalters16
follower: kayleekoch24
follower: RanatungaRuvi
follower: drisc_conn
follower: uschi_hofer
Friends (mutual following):
mutual friend: nmeyers68
mutual friend: KristinaBaber
mutual friend: BackupShs
mutual friend: justinben4384
mutual friend: MrAlexDeWerth
mutual friend: CalvinWalters16
mutual friend: kayleekoch24
mutual friend: drisc_conn
```

Task 3:

(3.a) (not all 50 tweets are shown in the screenshot, just as many as I could fit in one screen)

```
TASK 3 ----------------

Task 3.a --- specific keyword
Tweet: Here's a look at our northeast Ohio radar from the 3News Weather Team. Just open the WKYC app to check the radar an… https://t.co/wDLTxWDvq1
Tweet: And Ohio might get to the upper 30s for lows this weekend. Where's my fall weather? https://t.co/99LUfx9Cth
Tweet: RT @CBSNews: A towering waterspout formed Sunday over Lake Erie near Cleveland, Ohio amid a marine weather warning. https://t.co/nmB8kSF4Cr
Tweet: RADAR ON THE 1s- Here is the latest view of the Spectrum News 1 StormTrack Doppler Radar across Ohio. For the lates… https://t.co/6YvHzCZql5
Tweet: Okay. Two days ago it suddenly became hoodie weather in Ohio. Which means while I love my @k8siegel tee and… https://t.co/RWmvLFKDpP
Tweet: A brilliant and sunny day on Tuesday with temperatures set to climb Tuesday and Wednesday into the lower 70s.

Dry… https://t.co/VLKAbm7NRJ
Tweet: RT @quantian1: Diamonds are obviously #1 by a mile, but champagne has to have the #2 marketing machine of all time.  "Yes it grows in the O…
Tweet: RT @CBSEveningNews: A towering waterspout formed Sunday over Lake Erie near Cleveland, Ohio amid a marine weather warning. https://t.co/7iM…
Tweet: Here's a look at our northeast Ohio radar from the 3News Weather Team. Just open the WKYC app to check the radar an… https://t.co/zMfaCStR7Y
Tweet: RT @quantian1: Diamonds are obviously #1 by a mile, but champagne has to have the #2 marketing machine of all time.  "Yes it grows in the O…
Tweet: We coudn't ask for better weather to kick off the week. Another nice day tomorrow, it'll just be a bit warmer. Our… https://t.co/LLUB8yUkW9
Tweet: It might be Monday, but it's never too early to think about football! Dry weather with a fall feel for kickoff this… https://t.co/R8wUkPMKXp
Tweet: RT @WeatherBug: 'Magnificent' Rope-Like waterspout twirls over Lake Erie Off Cleveland, Ohio on October 17.

#weatherbug #knowbefore #wx #w…
Tweet: 'Magnificent' Rope-Like waterspout twirls over Lake Erie Off Cleveland, Ohio on October 17.

#weatherbug… https://t.co/rKGHxosYrA
Tweet: @TiberiusRings So whiplash weather, like Ohio~
```

(3.b) (not all 50 tweets are shown in the screenshot, just as many as I could fit in one screen)

```
Task 3.b --- Dayton Geolocation
Tweet: Lmfaooo me and gelato https://t.co/5D6rUn7q5d
Tweet: https://t.co/GbKPYFciqV
Tweet: https://t.co/wCUOOc5npv https://t.co/CDlOCxIóU1
Tweet: No one electrified Nippert like the 🐎. https://t.co/xfvDCqv27o
Tweet: @STosspott @Doodle_Bags @Comicartmaster1 Lots of dope stuff! Even the non action panels look amazing !
Tweet: @BellbrookSports Halftime- Bellbrook 1 Bolts 0 https://t.co/rHFy2tMZFk
Tweet: @elanadaras Não gosto de sopa não, mas eu peço um ifood
Tweet: https://t.co/WzG7nTMgke
Tweet: @JoeBiden Make sure you vote Republican
Tweet: Sectional #Soccer @GreenonSchools leading 3-2 at half vs @NationalTrailAD @OHSAASports ⚽
Tweet: I'm literally so excited for this silk press….. I just KNOW it's gonna be the best I've ever had. I hope it's everything I'm expecting. ☺
Tweet: Oops 🙈
Tweet: https://t.co/lmu5iWNuxN
Tweet: Today I got to lead brass sectionals for college marching band practice, so I taught them to drop the hammer. Obvio… https://t.co/y7nSL9ZUaW
Tweet: @TheDirtyJose Ngl, it's awesome. I'm like, a soup queen or some shit. https://t.co/taQmBNJXHV
Tweet: @jaemcityx @DodoStacks https://t.co/F46CrQkKU8
Tweet: @Soul_Reepah @ElSleepyFlaco https://t.co/6cYMzrZenk
Tweet: This might go down after the ravens game. They have the personnel to match up man with us I think. https://t.co/srsdoWlbFC
Tweet: @b4ndagesxo pog im so proud of u
Tweet: @ASlavitt From what I heard reported, Colin Powell was vaccinated.
"Wear a mask to protect yourself and others" sh… https://t.co/FXeTqJfcMG
Tweet: https://t.co/G3aaRQpHk9
Tweet: https://t.co/f8uiHVPosó
Tweet: If it's not old Schitfly https://t.co/wpGZnDjMWc
```

Task 4: (40pts) Use the twitter API for your own idea.
f) Or your own idea. ----> Write code to instantly deliver an email of tweets of a users interest

```
The purpose of this program is to send you an email based on an interest you have.
This program instantly emails a user based on the following input:
    your name
    how many tweets you'd like to receive
    keywords that relate to your particular interest
    your email

Sample input is below this line:
    Jon
    15
    'honda', 'engine', 'civic'
    moranj13@udayton.edu
- - - - - - - - - - - - - - - - - - - - - - - -

What is your name?
Jon
How many tweets would you like to receive in the email?
15
List a few keywords related to your interest (in this format: 'keyword1', 'keyword2', etc.)
'honda', 'engine', 'civic'
What is your email address?
moranj13@udayton.edu
The email has successfully sent! Make sure to check your Spam folder just in case it didn't make it to your Main inbox!

Process finished with exit code 0
```

: **Jon, this is just what you need!** <pythontask4@gmail.com>
to ▾

It's that time of day, Jon! Here are recent tweets about 'honda', 'engine', 'civic' that you wanted to receive via email.

TWEET: Today i had some few hours with the Honda civic type R, it is powered by 2.0l VTEC engine which produces 228kw /400 https://t.co/4mL29ldqjy
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TWEET: Every journey is comfortable and worry-free thanks to the engine and mighty performance of the car, says Vamsi of https://t.co/IWSTiuKCUy
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TWEET: Car Engine Cover Bonnet Hood Guard Cover for Honda CIVIC 1.5T 2016 2017 2018 Red https://t.co/c9wGoxPBHG eBay https://t.co/PVcl1PwYvH

TWEET: For Sale
2018 Honda Sedan civic 4D LX

KEY FEATURES:

2.0 Petrol Engine
Automatic Transmission

125292km Mileage
On https://t.co/X5gRZf0UJY

TWEET: 92-95 Honda Civic DX LX A/T ECU ECM Engine Control Computer Module 37820-P06-A52 https://t.co/e7aFjojmbd eBay https://t.co/gdnjHKH1jD

TWEET: 2006 Honda Civic used car for sale
Fuel type: Petrol
Mileage: 52,000
Transmission: Manual
Engine size: 1.8L
Colour: https://t.co/GpL7JaKci6

TWEET: @HondaCarIndia #ForTheLoveofHoNDA .
Mr. Canadian is absolutely right . HONDA CIVIC with the all powerful engine and https://t.co/6lGKmsxzpR

TWEET: Every journey is comfortable and worry-free thanks to the engine and mighty performance of the car, says Vamsi of https://t.co/Z24gRM1mLc
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TWEET: the manual for a 2007 honda civic said you really shouldn't drive with that engine light on for an extended period, https://t.co/D7BqllbgGM

TWEET: Are you really driving a honda civic is the check engine light isnt on
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TWEET: nugu bgs used to sing with such desperation and hopeless and now they dry hump the floor to the chopped and screwed https://t.co/oJbwflAFrk
-----
TWEET: "The new single-mass flywheel is 26 percent lighter than before, helping to reduce inertia by up to 30 percent to i https://t.co/qqao8n0OA2

TWEET: You're not a "top" or a "bottom". You're the Honda Civic Type R, the high-performance version of the Civic compact https://t.co/H8tw89cuQa
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TWEET: As we enter the final stretch of the @F4Championship and @FRAmericas season, were proud to power each series with https://t.co/8qg3S4omxT

TWEET: I HAVE A CLEAN 2006 "HONDA CIVIC
NEATLY PAINTED EXTERIOR
VERY CLEAN FABRIC INTERIOR
GOOD ENGINE(SMOKES SLIGHTLY)
SW https://t.co/lgq16P3Ss8

Hope you enjoyed reading these tweets!