

Tutorial_Session5

March 17, 2018

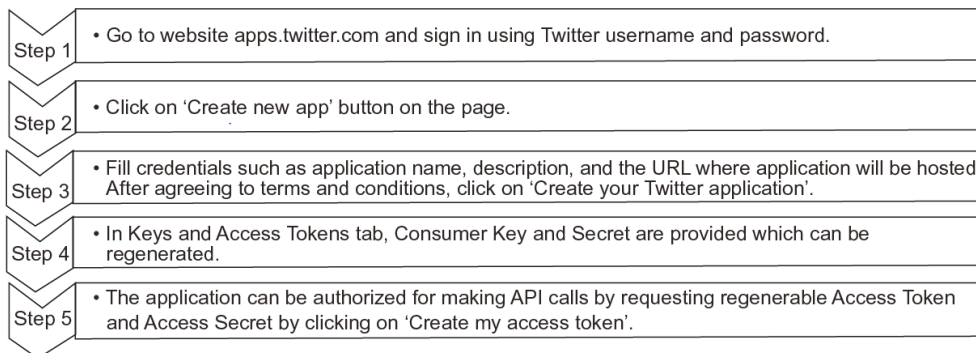
1 Twitter

- Twitter can also be used to retrieve information about the tweets, connections, or followers of a user, or topics trending on Twitter.
- Information is shared on Twitter in the form of tweets. A tweet may contain photos, videos, links, and up to 140 characters of text.
- Twitter provides several APIs (Application Programming Interfaces) to access Twitter data such as user's profile information or tweets
- An API request on Twitter is first authenticated using Open Authentication (OAuth). OAuth allows the users to connect to Twitter and send authorized Twitter API request.
- For performing analysis on Twitter data, we need the package tweepy.

Commands for installing library tweepy

```
> pip install tweepy
```

Steps for Open Authentication



1.1 Collecting User's Information

```
In [1]: import tweepy
```

```
def OAuthVerifier():  
    '''
```

Objective: To authorize the application to access Twitter

```

Input Parameter: None
Return Value: API object
'''

consumerKey = 'iym0XRGOS0gyPOjmlPQgB4XrC'
consumerSecret = 'I6gBj8RpcXJvN6xaKUUGeTkPEDpHziRXBmT9d9yG8k5Ik0H0bF'
authorization = tweepy.OAuthHandler(consumerKey, consumerSecret)
accessToken = '727494459118653446-XWf9MmBJmCUOM7Ic9xvoHlZCBQAWWA1'
accessSecret = 'jl4UJPXYSC8ygV8EsyNz6fMOW2NEs9NFvJc2InyfXNvve'
authorization.set_access_token(accessToken, accessSecret)
api = tweepy.API(authorization)
return api

def getUserStatistics(user):
    '''
    Objective: To get user statistics using various
               variables of the api
    Input Parameter: user - string
    Return Value: None
    '''

    print('\nName: ', user.name)
    print('Screen Name: ', user.screen_name)
    print('ID: ', user.id)
    print('Account creation date and time: ', user.created_at)
    print('Location: ', user.location)
    print('Description: ', user.description)
    print('No. of followers: ', user.followers_count)
    print('No. of friends: ', user.friends_count)
    print('No. of favourite tweets: ', user.favourites_count)
    print('No. of posted tweets: ', user.statuses_count)
    print('Associated URL: ', user.url)

def main():
    '''
    Objective: To collect user information
    Input Parameter: None
    Return Value: None
    '''

    # To print user's information
    api = OAuthVerifier()
    # Authenticated User
    user = api.me()
    getUserStatistics(user)

if __name__ == '__main__':
    main()

```

Name: Suzzane Mathew

Screen Name: SuzzaneMathew
ID: 727494459118653446
Account creation date and time: 2016-05-03 13:46:10
Location: India
Description: A Python Programmer
No. of followers: 4
No. of friends: 34
No. of favourite tweets: 0
No. of posted tweets: 3
Associated URL: None

1.2 Collecting Tweets Having Specific Words

- **StreamListener class:** used for collecting streaming tweets.
- Class MyStreamListener inherits the class StreamListener of the tweepy module.
- In the class MyStreamListener, we define two methods: on_status and on_error.
 - * The method on_status tells what to do when a status (input parameter) known as tweet update is received.
 - * The method on_error handles the error and gets automatically invoked on occurrence of an error.

```
In [ ]: import tweepy
```

```
class MyStreamListener(tweepy.StreamListener):  
    # Class inheriting StreamListener of tweepy module  
  
    def on_status(self, status):  
        '''  
        Objective: To print text stream of tweets  
        Input Parameters:  
            self (implicit parameter) - object of type  
            MyStreamListener  
            status - string value representing tweet  
        Return Value: None  
        '''  
        print(status.text)  
  
    def on_error(self, status):  
        '''  
        Objective: To disconnect the stream by returning False  
        if error 420 occurs  
        Input Parameters:  
            self (implicit parameter) - object of type
```

```

        MyStreamListener
        status - int value representing error code
        Return Value: result - int
        '''
        if status==420:
            return False

def main():
    '''
    Objective: To print streaming data containing given keywords
    Input Parameter: None
    Return Value: None
    '''
    api = OAuthVerifier()
    # Creates a stream listener object listenerOb
    listenerOb = MyStreamListener()
    # Create a Stream object
    myStream = tweepy.Stream(api.auth, listenerOb)
    # Starts streaming by specifying search keywords
    searchList = eval(input('Enter search keywords list: '))
    myStream.filter(track = searchList)

if __name__ == '__main__':
    main()

```

Enter search keywords list: ['Python','Programming']

RT: Forest Edge ES #ForestEdgeES #Elementary #School for #Robotics #Programming at Royal Cyber

RT: Sunrise Valley ES #SunriseValleyES #Elementary #School for #Robotics #Programming at Royal

RT @LoharPrasanna: Which Programming language should you learn ? <https://t.co/WcwhuGg4Q8>

2 - ++

#Programming #cplusplus

Diet-Microbiota Interactions Mediate Global Epigenetic Programming in Multiple Host Tissues - S

RT: Daniels Run ES #DanielsRunES #Elementary #School for 3D Game Programming (1-6th Grade) @ S

RT: Clearview ES #ClearviewES #Elementary #School for 3D Game Programming (1-6th Grade) @ STEM

@python NowTime: 2018/03/17 03:09:23.3863

TweetCount: 319

RT: Cub Run ES #CubRunES #Elementary #School for #Robotics #Programming at Royal Cyber Club h

RT @sensitiveemmett: i know people don't like daylight savings time because it screws up their

The Top 9 Technology of 2016 #javascript #Python <https://t.co/dPgXc3pcHe>

RT @DIBIADream: DREAM is proud to present our 2017 Impact & Initiatives Report. Continuing

Zigbee Showcased at CES2017 Path to Unified.. #programming # <https://t.co/iGxjc8RHZh>

RT @allen_data: Python GUI Programming using Tkinter and Python 3

<https://t.co/UZktnwixdN>

#hadoop #spark <https://t.co/WYZ4mXu0c5>

RT @TheBrando2: Monty Python and the Holy Grail (1975) <https://t.co/purMRtV0vJ>

Global IIoT Technologies, Solutions... #programming # <https://t.co/RBuRZjmrz>
Connectivity Foundation and AllSeen Alliance Team up... #javascript #Python <https://t.co/sEn4UL>
Immediate Availability of ConnectCore for i.MX6UL Starter Kit.. #javascript #Python <https://t.co/0hVNLd96IS>
RT @enthought: You used to write #python like C code... @LEGOWorldsGame <https://t.co/0hVNLd96IS>
John Cleese taking a break on the set of Monty Python and the Holy Grail (1975) <https://t.co/YI>
VMs look to edge out gateways in push.. #javascript #Python <https://t.co/oWB00qapuA>
RT: Fairfax Community Church for #Programming cool games #STEMCamps #Kids #Education <https://t.co/0hVNLd96IS>
RT: Fairfax Presbyterian Church for #STEM #Classes #Designing #Legos #Programming #Modeling #K
CVproof will connect with HR groups specifically and additionally through associations with re
RT: Centreville Presbyterian Church for #STEM #Classes #Designing #Legos #Programming #Modeling
RT: Korean Central Presbyterian for #Robotics #Programming #Modeling #STEMCamps #Kids #Educati
Public libraries invited to apply for The Great American Read PBS programming grants
<https://t.co/oSzqpIxd0r>
RT @elpais_cultura: Dice el ex Monty Python que sus integrantes son como la muchedumbre que as
RT: Centreville Farms Community Association for #Robotics #Programming #Modeling #STEMCamps #K
Programming Alert: Boxing promoter #DonKing joins @cvpayne to discuss he state of boxing as a
RT: Pat White Center at Ben Lomond for #STEM #Classes #Designing #Legos #Programming #Modeling
RT: Church of the Good Shepherd for #Programming cool games #STEMCamps #Kids #Education <https://t.co/0hVNLd96IS>
RT @Robzmob: #FridayMotivation ;) They have #Programming . . , but we have #Brains !! #TheStor
RT: Stenwood ES #StenwoodES #Elementary #School for 3D Game Programming (1-6th Grade) @ STEM S
RT @FoxBusiness: Programming Alert: Boxing promoter #DonKing joins @cvpayne to discuss he stat
Which are the most popular programming languages at hackathons? #hackathon #javascript #reactjs
<https://t.co/Z8R1xAKGAl>
How to run #Capybara feature specs with #Selenium and headless #Chrome #ruby #rails #rubyonrai
Do you have Python 2 code that urgently needs to get migrated to Python 3? Just @anthonympshaw
RT @JRLibrarian: As requested - here are four weeks of programming ideas and activities reflect
RT @Hakin9: A Practical Introduction to Blockchain with Python <https://t.co/fwmWjrPH3a> #infosec
RT @feminnazty: Yo shut up I remember losing a whole day of programming cause Nickelodeon want
Ya kids will live while 17
STMicroelectronics Innovative.. #programming # <https://t.co/lV66oc9FyD>
New World of Intelligent Devices.. #programming # <https://t.co/c0xE9qxHqi>
RT @CodeWisdom: "Programming is the art of algorithm design and the craft of debugging errant
RT: Center Ridge Region Home Owner for #Robotics #Programming Educational Classes For Kids <https://t.co/0hVNLd96IS>
RT @DuncanGalbraith1: Monty Python - Life of Brian - PFJ Union meeting <https://t.co/jVlH3BdUSW>
Commercial Craft Brewing Appliances for... #programming # <https://t.co/9p9GGYiFzS>
RT: Chantilly Highlands Community for #STEM #Classes #Designing #Legos #Programming #Modeling
RT @WWEGraves: Im terribly sorry that your parents didnt love you enough. Here is some of the
RT @abubakar47i: It mobilizes the smartest minds from >100 countries to apply their business
RT @KirkDBorne: Programming Languages for #DataScience and #MachineLearning (with samples of s
RT: London Towne ES #LondonTowneFCPS #Elementary #School for #Robotics #Programming at Royal C
RT @jeremynewberger: .@SeanHannity and @IngrahamAngle scolding @ShepNewsTeam on how newsy their
@python NowTime: 2018/03/17 03:10:33.7043
TweetCount: 321
RT: Stacy C. Sherwood Community Center for #Robotics #Programming Educational Classes For Kids
Practical Python Data Science Techniques

<https://t.co/wRehxtDtxn>

#bigdata <https://t.co/eC9H5UTA65>
RT @lucasoft_co_uk: RT @Hakin9: A Practical Introduction to Blockchain with Python <https://t.co/...>
RT: Brookfield ES #BrookfieldES #Elementary for #Programming #MinecraftModding at Royal Cyber Club
RT: Herndon ES #Herndon_ES #Elementary #School for 3D Game Programming (1-6th Grade) @ STEM Summit
RT: Herndon Community Center for #Robotics #Programming #Modeling #STEMCamps #Kids #Education
RT: Grace Covenant Church for #Robotics #Programming #Modeling #STEMCamps #Kids #Education <https://t.co/...>
RT: Centreville Community Church for #Robotics #Programming Educational Classes For Kids <https://t.co/...>
Yay for cool graphs and charts in your reports! <https://t.co/8Mgyx6yymE>
RT: Grace Covenant Church for #Programming cool games #STEMCamps #Kids #Education <https://t.co/...>
@IngrahamAngle No he is right. Your programming is illegit propaganda
RT: Greenbriar Community Center for #Robotics #Programming Educational Classes For Kids <https://t.co/...>
RT @FoxBusiness: Programming Alert: Peter Thiel sits down with @MariaBartiromo for an exclusive
RT @FoxBusiness: Programming Alert: Boxing promoter #DonKing joins @cvpayne to discuss he state
#OpenGL #Programming #Math #Matrix #CPP #Developers #GLSL Reminder: your regular modelview (MV)
RT: Lord of Life Lutheran Church for #Robotics #Programming Educational Classes For Kids <https://t.co/...>
RT: Centreville Presbyterian Church for #STEM #Classes #Designing #Legos #Programming #Modeling
RT @ReaktorNow: Together with @helsinkiuni we are developing a free online course called the E
RT @SecurityTube: Python for Pentesters: Directory Navigation <https://t.co/8yaK0A4T09> <https://t.co/...>
RT: Daniels Run ES #DanielsRunES #Elementary #School for 3D Game Programming (1-6th Grade) @ STEM Summit
RT @Aly_Raisman: Please join the effort to address sexual abuse in sport. I have partnered with
QISKit: quantum computing with python <https://t.co/utOD9Sbrv6> via @IBMCode
RT: Center Ridge Region Home Owner for #Robotics #Programming #Modeling #STEMCamps #Kids #Education
RT: Aldrin ES #AldrinEagles #Elementary #School for 3D Game Programming (1-6th Grade) @ STEM Summit
RT @Mason9780: New technology is now making it possible for viewers to record and store high de
RT @christi3k: I'm looking for my next gig as a software engineer or developer advocate in Port
RT: Centreville Baptist Church for #Robotics #Programming Educational Classes For Kids <https://t.co/...>
RT @FoxBusiness: Programming Alert: Boxing promoter #DonKing joins @cvpayne to discuss he state
Comienza #BetaBeersODB con @JAR_omero hablándonos de Django #python <https://t.co/FfQgR8R7cA>
Over 1600 students in 22 programs... 75 in #engineering... plus 100% of last year's welding gra
I'm excited to attend "Using Scratch Programming to Teach World Language" at CABE 2018. Come w
RT: Sully Station Community Center for #Robotics #Programming Educational Classes For Kids <https://t.co/...>
RT: Powell ES #ColinPowellES #Elementary #School for #Robotics #Programming at Royal Cyber Club
RT @Hakin9: A Practical Introduction to Blockchain with Python <https://t.co/m8vK9WUzHU> #infosec
RT: Centreville Community Church for #STEM #Classes #Designing #Legos #Programming #Modeling #
RT @svpersof: Hello everyone! I got accepted into my study abroad program to learn about inter
RT @FoxBusiness: Programming Alert: Boxing promoter #DonKing joins @cvpayne to discuss he state
RT @KitPloit: Powershell-RAT - Python Based Backdoor That Uses Gmail To Exfiltrate Data Throug
@mia_0327 <https://t.co/oopF1g9ThH>

RT: Aldrin ES #AldrinEagles #Elementary for #Programming #MinecraftModding at Royal Cyber Club
RT @chris__martin: The "domain object" pattern was one of the most destructive forces at my fir
RT: Floris United Methodist Church for #STEM #Classes #Designing #Legos #Programming #Modeling
RT @mocityschool: Did you see @TheSpec article about our Intro to Construction for Women cour
RT: Clearview ES #ClearviewES #Elementary for #Programming #MinecraftModding at Royal Cyber Club
RT: Daniels Run ES #DanielsRunES #Elementary #School for 3D Game Programming (1-6th Grade) @ STEM Summit
RT @WWEGraves: Im terribly sorry that your parents didnt love you enough. Here is some of the
RT @BigDataFr_: Offre de Stage HPC Ingénieur/Bac+5 Maths-Info

Cuda, Python, NumPy, Scikit-Learn, Keras, Caffe, <https://t.co/z4ex4T1KRA>
<https://t.co/meDjQfnVam> [Programming & Design] Open Question : SQL database in trouble?
 fun time remote pair programming to practice C++ TDD
 with a @TKPJava graduate <https://t.co/0uzn8r2aOS>
 @python NowTime: 2018/03/17 03:11:44.773
 TweetCount: 323
 RT: Sully Station Community Center for #Robotics #Programming Educational Classes For Kids <https://t.co/0uzn8r2aOS>
 This is going to strangle entrepreneurs and small sellers. A \$12 Etsy sale will now not only ha
 The new Conditional Types capabilities in @typescriptlang 2.8 move the language even more firm
 RT: Virginia Run ES #VirginiaRunES #Elementary for #Programming #MinecraftModding at Royal Cyber
 RT @FoxBusiness: Programming Alert: Boxing promoter #DonKing joins @cvpayne to discuss he statu
 We're at a standstill at work because my boss's boss never gives us a programming budget and j
 RT: Crossfield ES #CrossfieldES #Elementary for #Programming #MinecraftModding at Royal Cyber
 RT: Greenbriar Community Center for #Robotics #Programming #Modeling #STEMCamps #Kids #Education
 Excellent! Thanks for PRIMM-ing!! @KingsECS <https://t.co/2QjyawHVU4>
 Canterbury Woods ES #Canterbury_Wood #Elementary #School for 3D Game Programming (1-6th) @ STE
 RT @gethackteam: Which are the most popular programming languages at hackathons? #hackathon #j
<https://t.co/Z8R1x>
 RT: Summer Camp registration is open! STEM, Minecraft, Robotics, Game Design, Game Programming
 @JDM1114 & @GregHughesNBCSG You guys are better than this, right? If not, we can help. #su
 RT @saeedamenfx: the master of Python @dyjh speaking! Great talk, always learn something new fr
 Real Good Community Programming only on 91.1 The Bridge! <https://t.co/2mQ6K9uLw2> on #Podbean
 Real Good Community Programming only on 91.1 The Bridge! <https://t.co/qs54crPbj5> on #Podbean
 Real Good Community Programming only on 91.1 The Bridge! <https://t.co/R6Qzg2fYaz> on #Podbean
 RT @lucasoft_co_uk: RT @Hakin9: A Practical Introduction to Blockchain with Python <https://t.co/0uzn8r2aOS>
 RT @WWEGraves: Im terribly sorry that your parents didnt love you enough. Here is some of the a
 Thanks for having us! <https://t.co/CJTJfpVhHd>
 I wish I had more people to work out with. I love seeing different people's programming and go
 RT: #STEM #Robotics #Programming #Modeling #STEMCamps #Kids #Education at Royal Cyber Club <https://t.co/0uzn8r2aOS>
 RT @WWEGraves: Im terribly sorry that your parents didnt love you enough. Here is some of the a
 RT @LorenaABarba: I'm making an open online course with the first module of our computing cours
 RT @jcldf: Python based backdoor that uses Gmail to exfiltrate data as an e-mail attachment.

This RAT will help someone during red team en
 Por isso que eu digo que os caras do Monty Python eram gênios. <https://t.co/vT7uGGUxmh>
 I know I complain a lot, and freak out a lot, but let me first say that I am blessed to have a
 RT: Poplar Tree ES #PoplarTreeES #Elementary #School for #Robotics #Programming at Royal Cyber
 Practical Python Data Science Techniques

<https://t.co/ndqjsgzOpp>

#bigdata <https://t.co/54gkBmNjMD>
 RT @CodeWisdom: "Everyday life is like programming, I guess. If you love something you can put
 RT @SecurityTube: Python for Pentesters: Directory Navigation <https://t.co/8yaK0A4T09> <https://t.co/0uzn8r2aOS>
 RT @dustmop: Hi! I'm a full-stack / backend freelance engineer looking for part-time contract v
 RT @mlemweb: Our Digital Humanities Workshop is tomorrow! @dustyweb and I are finalizing our t
 RT: Southgate Community Center for #Robotics #Programming #Modeling #STEMCamps #Kids #Education
 Our Education Program partners with Inwater Research Group to promote quality educational progr

RT @TalkPython: Do you have Python 2 code that urgently needs to get migrated to Python 3? Just

RT: Aldrin ES #AldrinEagles #Elementary #School for #Robotics #Programming at Royal Cyber Club

@briangcronin That's the main ingredient to making great programming videos -- great content and

RT @Onitaset: New working theme: "Today we will discuss how you are failing Black people and wh

RT @WWEGraves: Im terribly sorry that your parents didnt love you enough. Here is some of the a

RT @jdmorenob: aDiario Lenguajes de programación! <https://t.co/RE7n2nBgni> #in Gracias a @danie

Join Jules Damji (@2twitme) @ApacheSpark & Community Advocate at @Databricks to learn how t

RT @mlemweb: Our Digital Humanities Workshop is tomorrow! @dustyweb and I are finalizing our t

RT: Reston Community Center for #STEM #Classes #Designing #Legos #Programming #Modeling #Kids

@scuttlingvoid prob a piebald ball python ye !!

i always feel so powerful learning programming but then one mistake happens that wrecks all my

RT @ReaktorNow: Together with @helsinkiuuni we are developing a free online course called the E

I just liked Introduce 'JS Weight tracer' Python Effector by @oinon on #Vimeo: <https://t.co/20>

@_Zanele Oh no. Imagine being a python just nje.

For even more #Python training, come to my sessions at #FedGIS next week! <https://t.co/cV9uUj9>

7 Ridiculous Complaints the FCC Received About WWE's Programming <https://t.co/Hm39lzhZNp> <https://t.co/Hm39lzhZNp>

Mastering Bitcoin: Programming the Open Blockchain 2nd Edition, (Kindle Edition) <https://t.co/1>

Deciding between a beardie or a ball python is one of the hardest decisions ive ever made

RT: Centreville Community Church for #STEM #Robotics #Programming #Modeling #STEMCamps #Kids #

Michael Palin is the only good, nice boy from Monty Python

RT: Forest Edge ES #ForestEdgeES #Elementary #School for #Robotics #Programming at Royal Cyber

RT @CyberToolsBooks: Pro Bash Programming teaches you how to effectively utilize the Ba <https://t.co/1>

@annehelen @shannoncoulter Thats been my opinion for a number of years, sadly. Its really taint

Modern Serverless Python on Coherence API <https://t.co/Hgtsd0Y6ne>

Keyword Generator <https://t.co/Ic71uauFV>

@john_overholt The least known member of Monty Python finally makes headlines. He shoukd have

RT: McNair Farms Community Center for #Programming cool games #STEMCamps #Kids #Education <http://t.co/1>

RT @WWEGraves: Im terribly sorry that your parents didnt love you enough. Here is some of the a

It's the clarity of F#'s type and function signatures that I miss the most when programming in

@BenedictEvans I do all my programming now off a macbook pro with the touchpad, full screen wi

RT @RealDebrid: @TeamZT_ @jsergio123 The guy is just a piece of shit providing a shitty fix the

RT @SetonMontessori: Jennifer Nolan contributed a beautiful blog post about our intergeneratio

RT: Reston Community Center for #STEM #Robotics #Programming #Modeling #STEMCamps #Kids #Educa

RT @abubakar47i: It mobilizes the smartest minds from >100 countries to apply their business

python

Macromedia Mx Elearning: Advanced Training From The Source <https://t.co/3T2VxqJYJ8> #Ruby #prog

Python Networking: FTP Programming <https://t.co/oHutevQjI9>

RT @lamifunami: #SignalsNetwork

Signals is developing a platform for building, training and monetizing crypto trading strategi

@UKRobotWars Im sure theyll fund some educational programming instead, say more baking or taler

RT: Willow Springs ES #WSESfox #Elementary for #Programming #MinecraftModding at Royal Cyber C

RT: Cherry Run ES #CherryRunES1 #Elementary #School for 3D Game Programming (1-6th Grade) @ ST

@1776Stonewall @IngrahamAngle @FoxNews I'm down to @cvpayne & @LouDobbs ...thats it for any

@YYCBoarder @NewWorldHominin @FaithGoldy Invading a country using immigration and neuro lingu

!! @BCBTigers all players bites like a python! #BANvSL #SLvBAN <https://t.co/Fvg0oJ4w88>

RT @Hakin9: A Practical Introduction to Blockchain with Python <https://t.co/m8vK9WUzHU> #infosec

RT @sensitiveemmett: i know people don't like daylight savings time because it screws up their

RT: Greenbriar Community Center for #Programming cool games #STEMCamps #Kids #Education <https://t.co/1>

RT: Little Run ES #LRroadrunner #Elementary #School for 3D Game Programming (1-6th Grade) @ ST
Most Python fans arent Trump fans. <https://t.co/WVnni846Dj>
Why is Python so good for AI and Machine learning?

<https://t.co/dwYr04TMiC>

@PegCoversTheLaw @steveury Thank you for these midwinter meeting tweets! ABALEL Committee midw
Pandas Cookbook: Recipes For Scientific Computing, Time Series Analysis And Data <https://t.co>
RT @SecurityTube: Python for #Pentesters: Introduction to Python and Setting Up an Environment
@python NowTime: 2018/03/17 03:14:06.045
TweetCount: 327

Introduction to the Python 3 Programming Language - #python course by @wfbutton <https://t.co/X>
RT @FoxBusiness: Programming Alert: Boxing promoter #DonKing joins @cvpayne to discuss he statu
RT: Deer Park ES #DeerParkFCPS #Elementary #School for #Robotics #Programming at Royal Cyber C
High Performance Python: Practical Performant Programming For Humans <https://t.co/3oCq4x44p4>
@rickathy227 @talace @cheechablunt @Nickelodeon @DLoesch (Someone might want to warn her that
RT @lfcseattle: @JDM1114 & @GregHughesNBCSG You guys are better than this, right? If not, v
RT @fabienLeboeuf: Need to alter Hip joint centre positions of the Conventional Gait Model (#C
@santome7 @thehill Smith is fact based programming. Hannity is opinion based programming. Its a
RT @jeffgiesea: ESPN infused its programming with "social justice," ratings declined, and now v
RT @CsChapters: Hurry up! Today is the last day to register for @CsharpCorner Gurgaon Chapter
RT @ITSax: FPGA-Entwickler / VHDL-Entwickler (m/w) in Freital/Dresden in Freital , #FPGA #VHDL
RT: Greenbriar Community Center for #Robotics #Programming #Modeling #STEMCamps #Kids #Educati
C/C++ Programming Course Near Sector-72 C and C++ Programming are mu..For more info visit... h
RT: Canterbury Woods ES #Canterbury_Wood #Elementary #School for 3D Game Programming (1-6th) @
RT: McNair ES #FCPSMcNairES #Elementary for #Programming #MinecraftModding at Royal Cyber Club
RT @RichRogersIoT: Programming is about 13% math, 15% theology and the rest is just looking str
System engineers also do programming.
RT @UPROXX: Netflix has a lovely stockpile of action television programming to binge through. M
RT: Greenbriar Community Center for #Robotics #Programming Educational Classes For Kids <https://t.co>
RT: Korean Central Presbyterian for #STEM #Classes #Designing #Legos #Programming #Modeling #K
#redfarmers <https://t.co/m0ef9bxmbR>
RT: Powell ES #ColinPowellES #Elementary #School for 3D Game Programming (1-6th Grade) @ STEM
RT: McNair Farms Community Center for #Robotics #Programming #Modeling #STEMCamps #Kids #Educa
@navythepug Yep, had a couple.

In church, business, life coach and programming

There is a need to integrate climate change issues into the development planning process at al
RT @YourSmartyBro: Python GUI Programming Projects using Tkinter and Python 3 <https://t.co/ENs>
RT @christi3k: I'm looking for my next gig as a software engineer or developer advocate in Port
RT: Centreville Baptist Church for #Programming cool games #STEMCamps #Kids #Education <https://t.co>
RT @FoxBusiness: Programming Alert: Boxing promoter #DonKing joins @cvpayne to discuss he statu
RT @bheklilr: I'm a mid-level Python developer with plenty of experience in data analysis with
RT: Centreville Community Church for #STEM #Classes #Designing #Legos #Programming #Modeling #
Week in Review: Oct 30 Nov 5 #programming # <https://t.co/Ef6Aw0z0yY>
RT @oliverdarcy: Hate to sound like a broken record, but this once again underscores the divid
RT @WWEGraves: Im terribly sorry that your parents didnt love you enough. Here is some of the a
Modify your own #reports in #Microsoft #DynamicsNAV & stay #supported! Find out more about
RT: Powell ES #ColinPowellES #Elementary #School for 3D Game Programming (1-6th Grade) @ STEM

RT: Grace Covenant Church for #STEM #Robotics #Programming #Modeling #STEMCamps #Kids #Education
 RT @oliverdarcy: Hate to sound like a broken record, but this once again underscores the divide
 If you're looking for a job for next semester, look no further!
 Applications for Campus Activities Programming Board <https://t.co/qEj3befIu5>
 RT: Pat White Center at Ben Lomond for #Robotics #Programming #Modeling #STEMCamps #Kids #Education
 RT: Fairfax Villa ES #FairfaxVillaES #Elementary for #Programming #MinecraftModding at Royal Cyber Club
 Emploi Societe Generale SGCIB : Developpeur Fonctionnel Commando Risque et PnL H/F... <https://t.co/1888888888>
 Twitter wants to promote more on-demand viewing as it seeks new deals for live shows ahead of t
 RT @AML_WorldWide: Join Us In @KCMO #KansasCityMO for Your 50th Anniversary Miss Black America
 "BETA PROGRAMMING" SINGLE + VIDEO OUT NOW!

"SAVAGE BEAUTY" DROPS MARCH 23 on @elemental_95

<https://t.co/UuwYwFPwS3>

Next #post from my series about #Programming #DesignPatterns today about #Prototype #code in #
 C/C++ Programming Course Near Sector-74C and C++ Programming are mus..For more info visit... h
 Understanding gender roles in agriculture, making programming accessible for all. <https://t.co/1888888888>
 RT @pvanheus: I finished teaching my Introduction to Python for Bioinformatics course for the y
 RT: Centreville Community Church for #Robotics #Programming Educational Classes For Kids <https://t.co/1888888888>
 RT: Centreville Baptist Church for #STEM #Classes #Designing #Legos #Programming #Modeling #Kids
 PythonLINE (1) - <https://t.co/60QxKSEsIx>
 RT @qiita_python: PythonLINE (1) - <https://t.co/60QxKSEsIx>
 RT: Compton Village Homeowners for #Robotics #Programming Educational Classes For Kids <https://t.co/1888888888>
 RT: Sully Station Community Center for #Robotics #Programming #Modeling #STEMCamps #Kids #Education
 RT: #Robotics #Programming Educational Classes For Kids at Royal Cyber Club <https://t.co/iD6Z188888>
 #fortysevenbank, #gofortyseven <https://t.co/vC2r3uKZl8>
 RT @CodeWisdom: "Programming is the art of algorithm design and the craft of debugging errant c
 RT @wimlds: Plotcon Boston is happening April 14-15. There are 2-day workshops for:
 1) Dash
 2) R, Shiny and DashR
 3) Getting Started wi
 @psykogrl @Michael_Fisher_ @gdlttledorf @Mikel_Jollett It was when contracts with CNN ran out
 RT: Centreville Farms Community Association for #STEM #Robotics #Programming #Modeling #STEMCamps
 RT: Herndon ES #Herndon_ES #Elementary #School for #Robotics #Programming at Royal Cyber Club
 RT @byLilyV: TRENDING #UDEMY #COURSES

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Using yield is an easy way to make collections lazy #csharp #devops #webops #aspnet #coding #
 Another informative and empowering @WCPS72 #PreK Family Oriented Programming session at the bea
 RT: Stenwood ES #StenwoodES #Elementary for #Programming #MinecraftModding at Royal Cyber Club
 RT: Grace Covenant Church for #Robotics #Programming #Modeling #STEMCamps #Kids #Education <https://t.co/1888888888>
 RT @EndorseEm: RT: Pat White Center at Ben Lomond for #Robotics #Programming #Modeling #STEMCamps
 RT: Fairfax Presbyterian Church for #STEM #Classes #Designing #Legos #Programming #Modeling #Kids
 RT @dustmop: Hi! I'm a full-stack / backend freelance engineer looking for part-time contract w
 Thank you @HybargerMarsha for coming to talk to us about programming offered at the GTC! #HI
 C/C++ Programming Course Near Sector-75 C and C++ Programming are mu..For more info visit... h

RT @mlemweb: Our Digital Humanities Workshop is tomorrow! @dustyweb and I are finalizing our t
hey that's my mom <https://t.co/wPqYCjutF1>
RT: Sully Station Community Center for #Programming cool games #STEMCamps #Kids #Education ht
RT @EqualToken: Congratulations to @contestsinkie for completing the programming challenge, re
RT: Centreville Farms Community Association for #Programming cool games #STEMCamps #Kids #Educ
RT @MSFTImagine: A new definition in #programming. #DevHumor <https://t.co/OqmRdIPvzX>
though, OK, lets be real: monty python as a group *all* hated women, aggressively, so none of t
@HuffPost NO WAY a Trump support could understand Python!
#Boston fans: #BernsteininBoston Don't miss 3/16 and 3/17 8pm as Giancarlo Guerrero conducts @