<https://www.udemy.com/course/100-days-of-code/learn/lecture/21096092#overview>

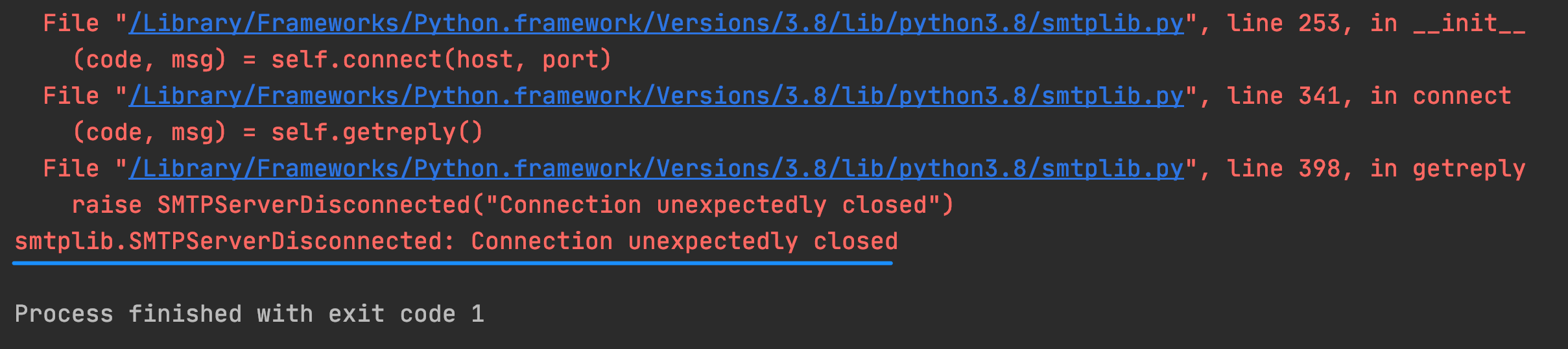


Happy Birthday email



A Note About the Next Lesson: Google SMTP Port

In the next lesson, I'll show you how to send email using the smtplib module and Python. If you are getting the error Connection unexpectedly closed, it might be due to a number of things. You can come back to this lesson to debug.



1. Make sure you've got the correct smtp address for your email provider:

Gmail: smtp.gmail.com

Hotmail: smtp.live.com

Outlook: outlook.office365.com

Yahoo: smtp.mail.yahoo.com

If you use another email provider, just Google for your email provider e.g. "Gmail SMTP address"

Below are steps specific to users sending email from Gmail addresses.

2. Make sure you've enabled less secure apps if you are sending from a Gmail account. (Refer to the video in the next lesson for steps).

3. Try to go through the Gmail Captcha here while logged in to the Gmail account: <https://accounts.google.com/DisplayUnlockCaptcha>

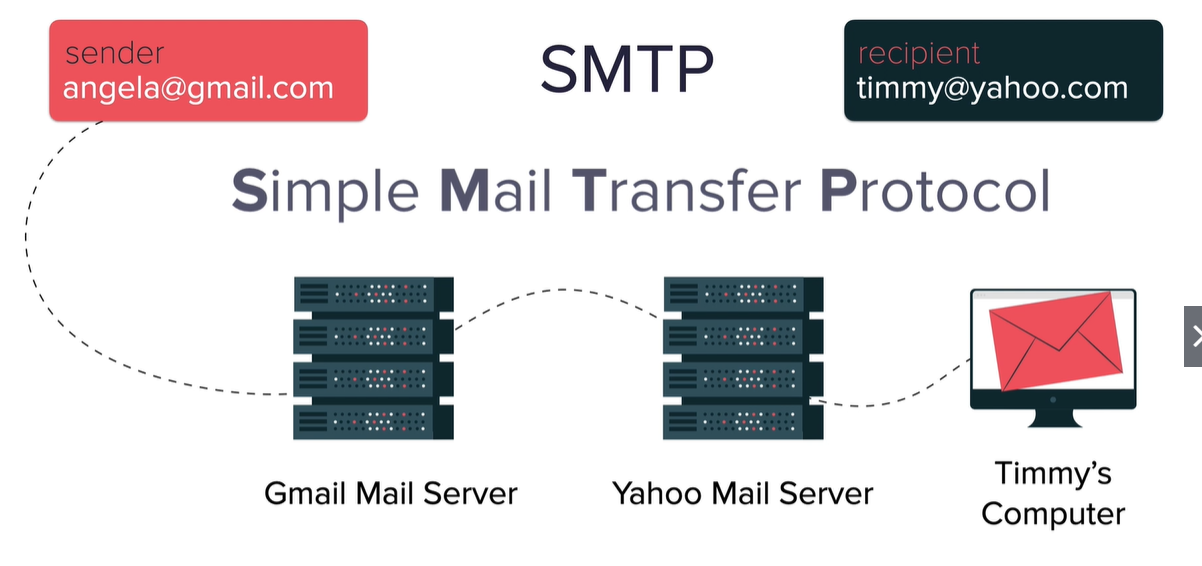
4. Add a port number by changing your code to this:

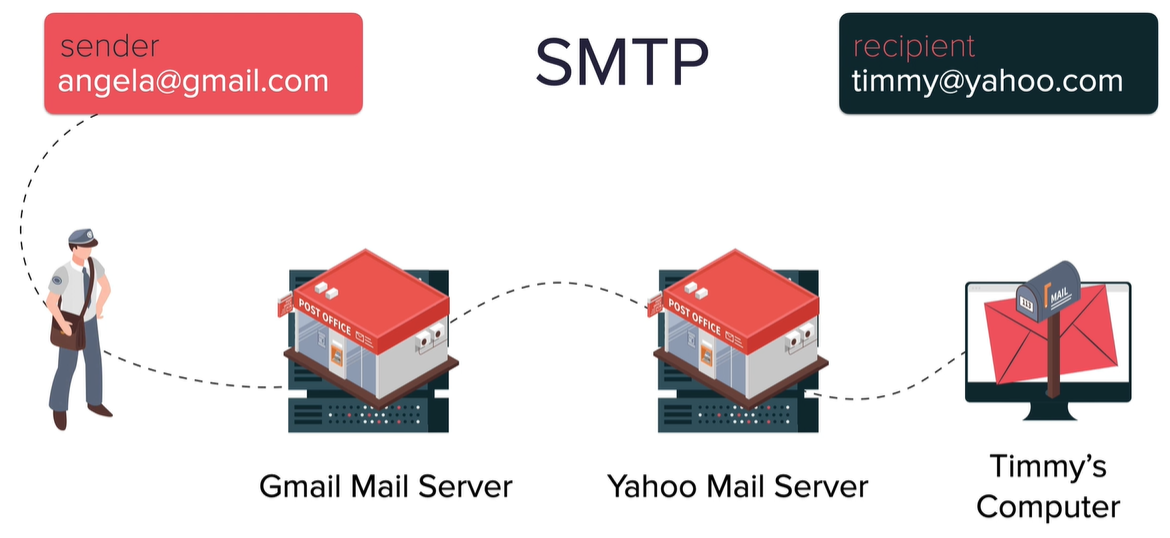
smtplib.SMTP("smtp.gmail.com", port=587)

Python SMTP protocal docs

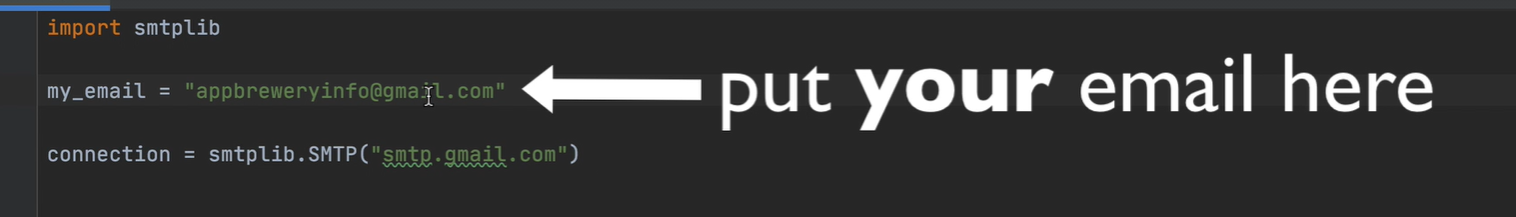
<https://docs.python.org/3/library/smtplib.html>

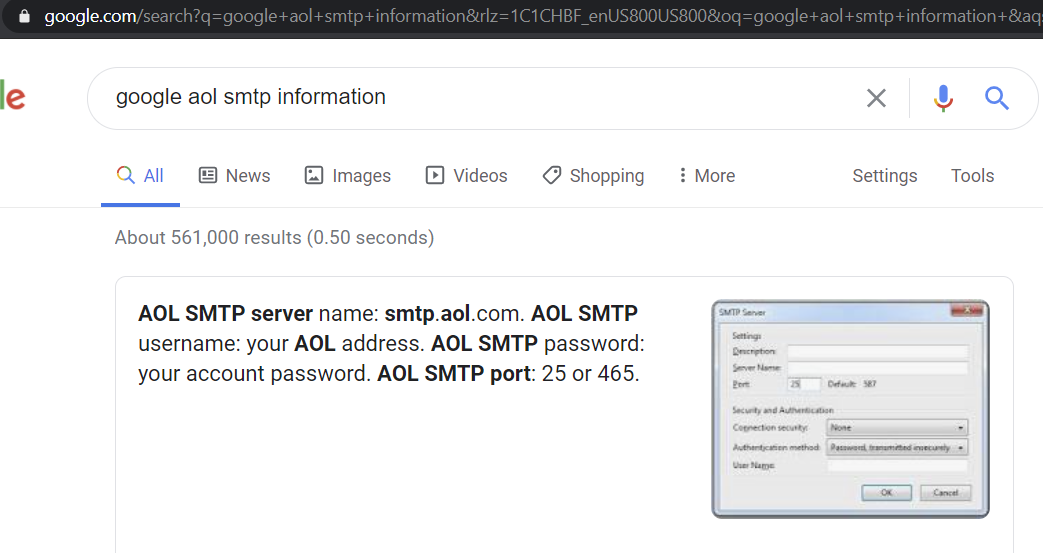
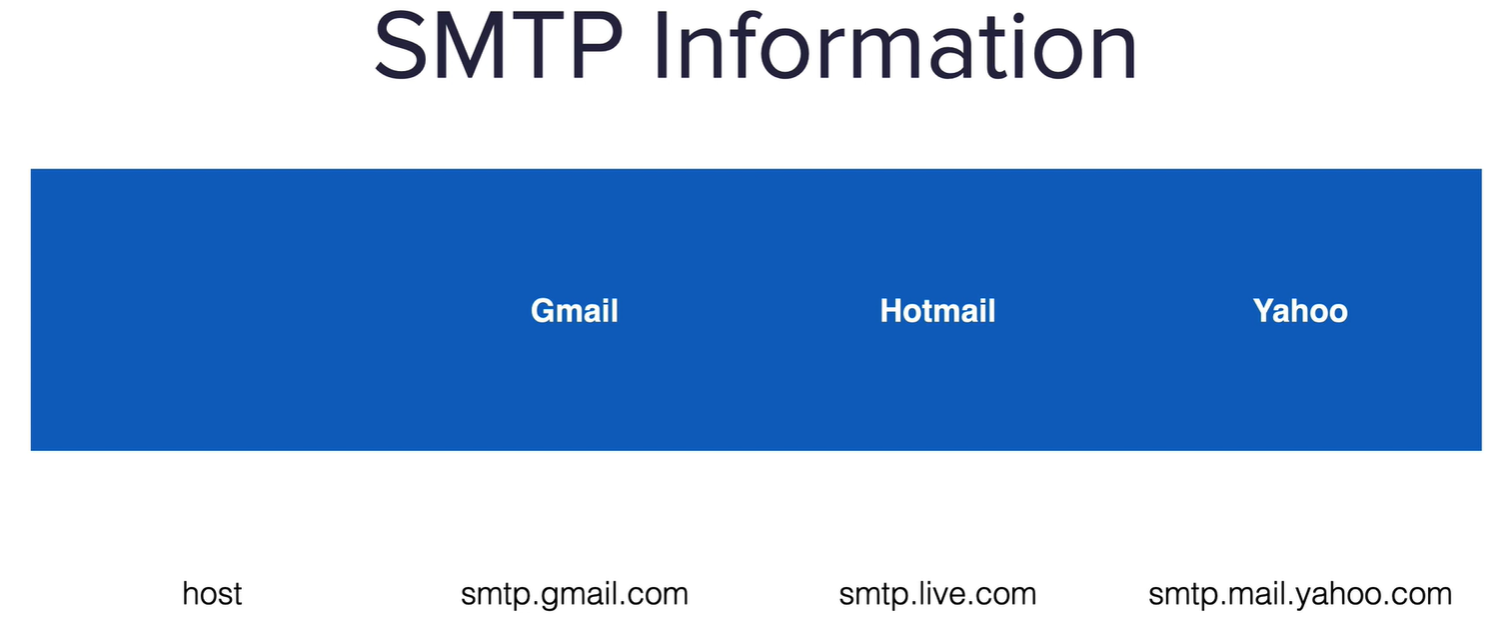
email behind the scenes

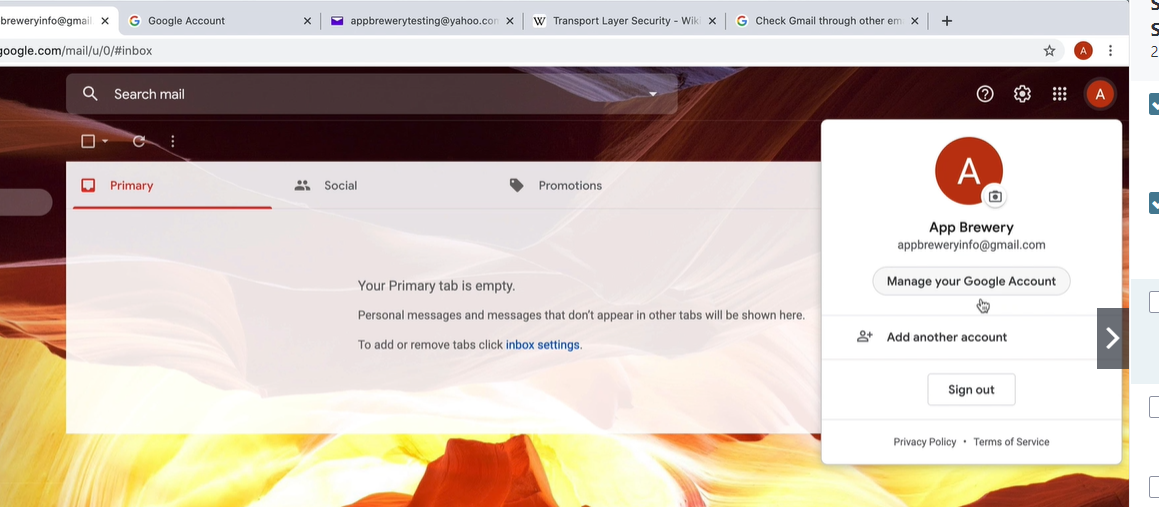


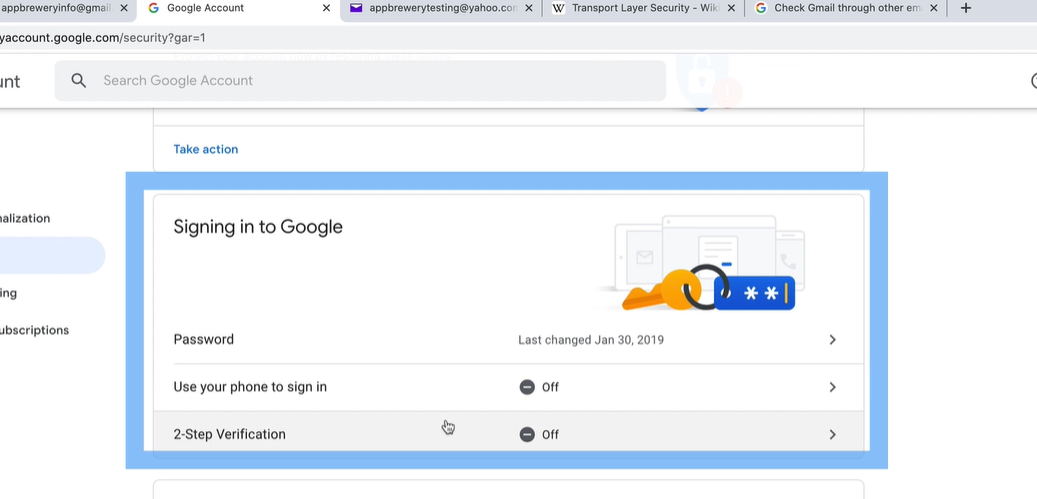
SMTP contains all the rules that determine how an email can be sent around the internet. Anologus with post office to mailbox

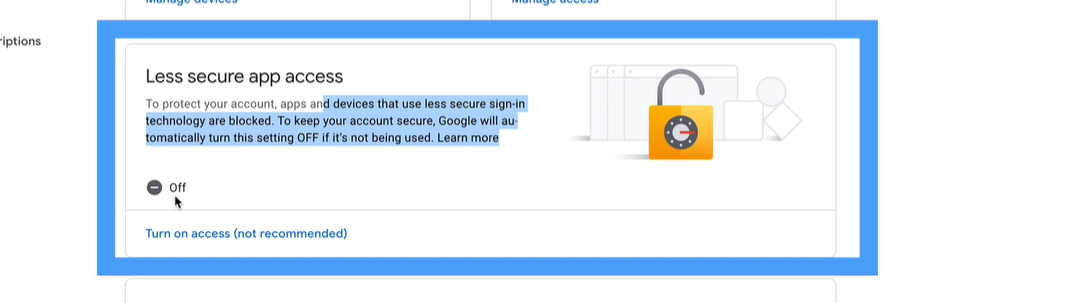
Import and set up the connection



Need to put the sender email here, for each email provider there is a different smtp

Gmail has some security that needs to be lowered to do this. 

Turn on 

Turn on 

Python date time docs

<https://docs.python.org/3/library/datetime.html>  


<https://www.positivityblog.com/monday-motivation-quotes/>

motivational quote app

#Monday Motivation Project

import smtplib

import datetime as dt

import random

MY\_EMAIL = "appbreweryinfo@gmail.com"

MY\_PASSWORD = "abcd1234()"

now = dt.datetime.now()

weekday = now.weekday()

if weekday == 1:

    with open("quotes.txt") as quote\_file:

        all\_quotes = quote\_file.readlines()

        quote = random.choice(all\_quotes)

    print(quote)

    with smtplib.SMTP("smtp.gmail.com") as connection:

        connection.starttls()

        connection.login(MY\_EMAIL, MY\_PASSWORD)

        connection.sendmail(

*from\_addr*=MY\_EMAIL,

*to\_addrs*=MY\_EMAIL,

*msg*=*f*"Subject:Monday Motivation\n\n{quote}"

        )

Code for sending birthday email

from datetime import datetime  
import pandas  
import random  
import smtplib  
  
MY\_EMAIL = "YOUR EMAIL"  
MY\_PASSWORD = "YOUR PASSWORD"  
  
today = datetime.now()  
today\_tuple = (today.month**,** today.day)  
  
data = pandas.read\_csv("birthdays.csv")  
birthdays\_dict = {(data\_row["month"]**,** data\_row["day"]): data\_row for (index**,** data\_row) in data.iterrows()}  
if today\_tuple in birthdays\_dict:  
 birthday\_person = birthdays\_dict[today\_tuple]  
 file\_path = f"letter\_templates/letter\_{random.randint(**1,3**)}.txt"  
 with open(file\_path) as letter\_file:  
 contents = letter\_file.read()  
 contents = contents.replace("[NAME]"**,** birthday\_person["name"])  
  
 with smtplib.SMTP("YOUR EMAIL PROVIDER SMTP SERVER ADDRESS") as connection:  
 connection.starttls()  
 connection.login(MY\_EMAIL**,** MY\_PASSWORD)  
 connection.sendmail(  
 from\_addr=MY\_EMAIL**,** to\_addrs=birthday\_person["email"]**,** msg=f"Subject:Happy Birthday!\n\n{contents}"  
 )

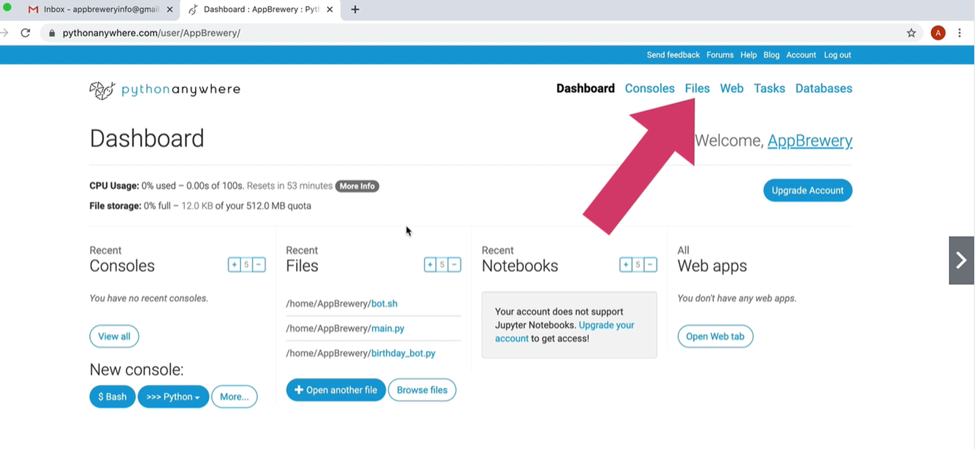
Hosting in the cloud

<https://www.udemy.com/course/100-days-of-code/learn/lecture/21110124#overview>

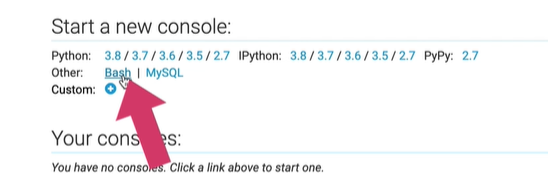
<https://www.pythonanywhere.com/>

Sign up for account

Upload files to the site



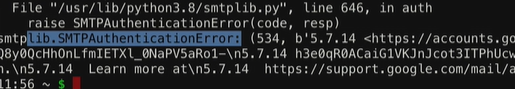
Start a Bash Console



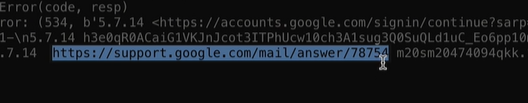
Then python3 main.py

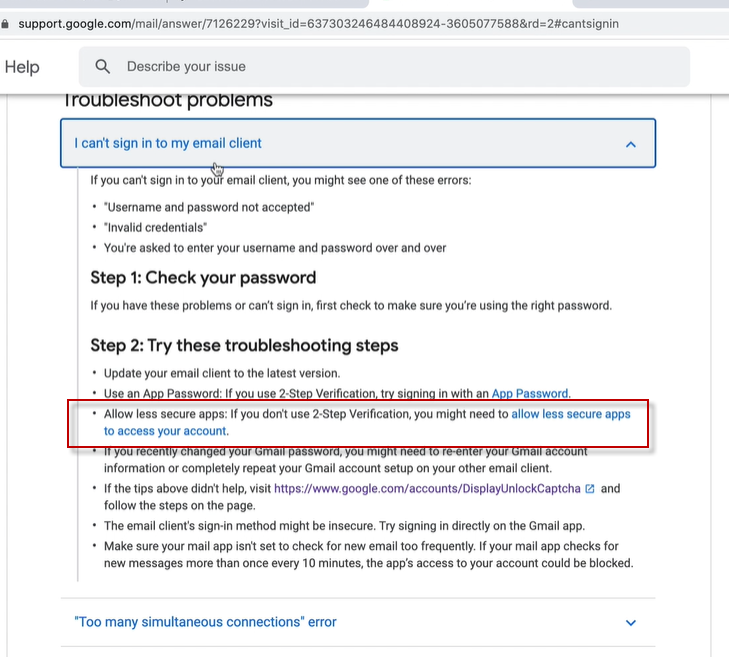


Google blocking

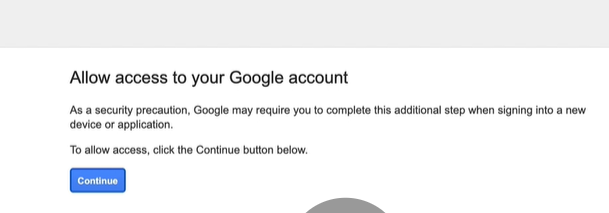


To investigate copy this url and paste into address bar

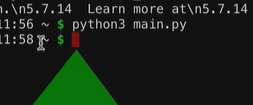




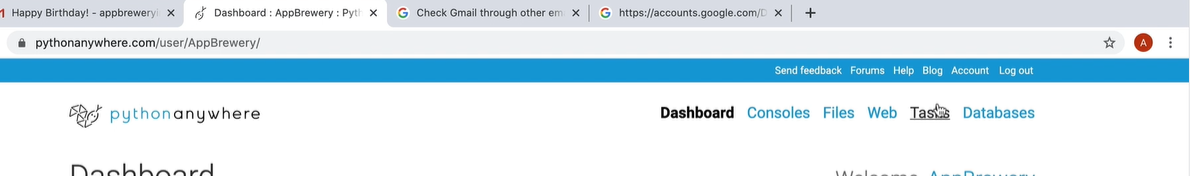
Allow

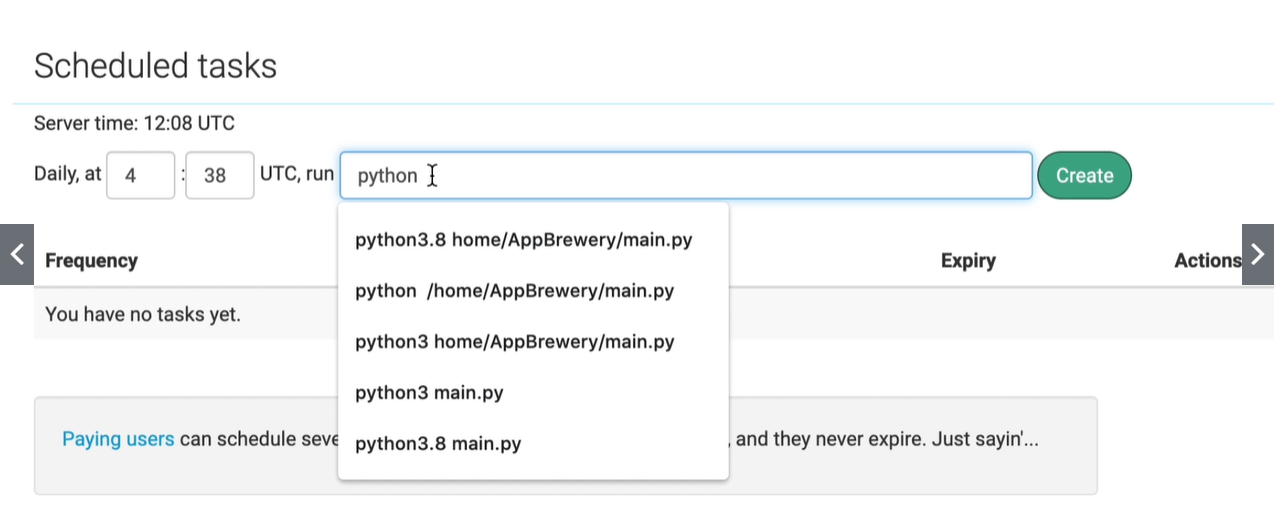


Then kick off again



Back on the python anywhere dashboard click on Tasks





Schedule in UTC time

At given time the command is run

