1. register a gmail account for imedbot

Username: [imedbot.odpac@gmail.com](mailto:imedbot.odpac@gmail.com)

Password: imedbot2023. (This should be deleted because it is attached to Zhenyang’s personal phone). See below for a new account setting up procedure.

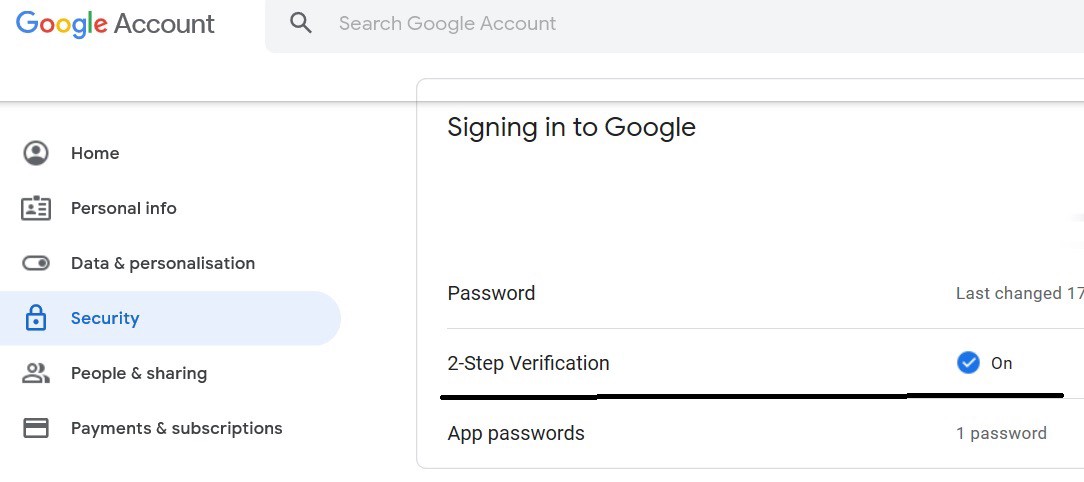
1. 2-step verificaiton

Now the password of the gmail can not be directly used in program due to security reason. You need to use a method called 2-step verification.

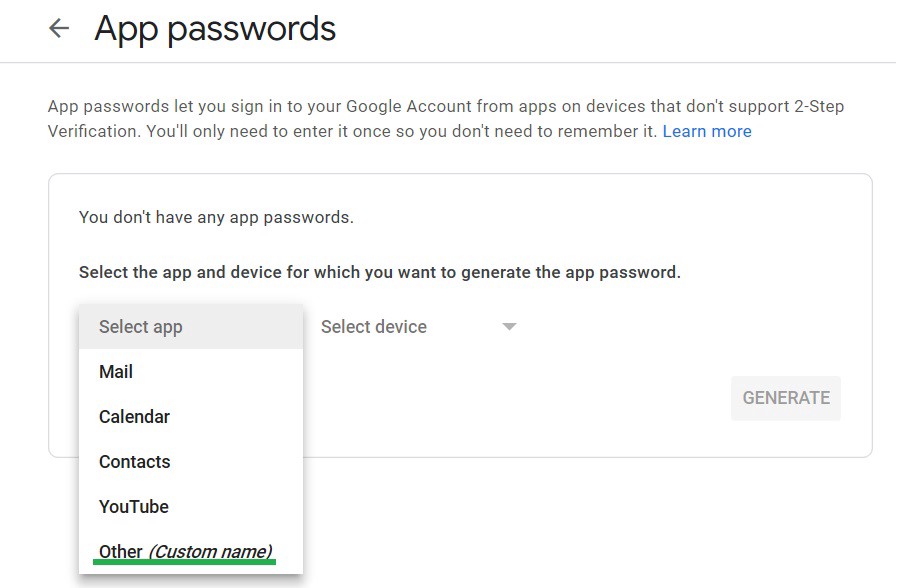
I find this tutorial:

https://towardsdatascience.com/automate-sending-emails-with-gmail-in-python-449cc0c3c317

First, you need to enable 2-Step Verification. Just go to your Google Account > Security > Signing in to Google, and select 2-Step Verification and follow the instruction.

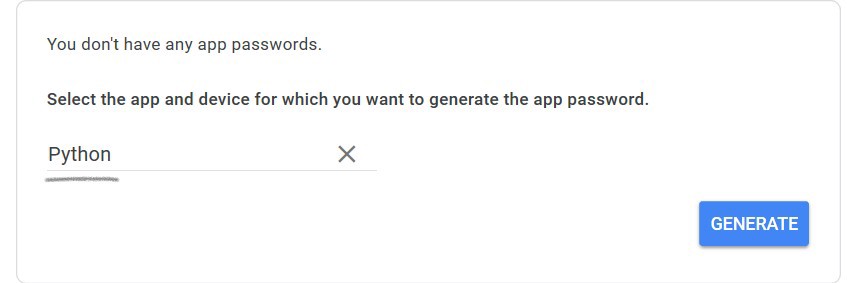


Next, create an app password. Just select ‘App passwords’ under ‘2-Step Verification’ and you will see a window as follows. Select ‘Other’ in the ‘Select app’ dropdown.

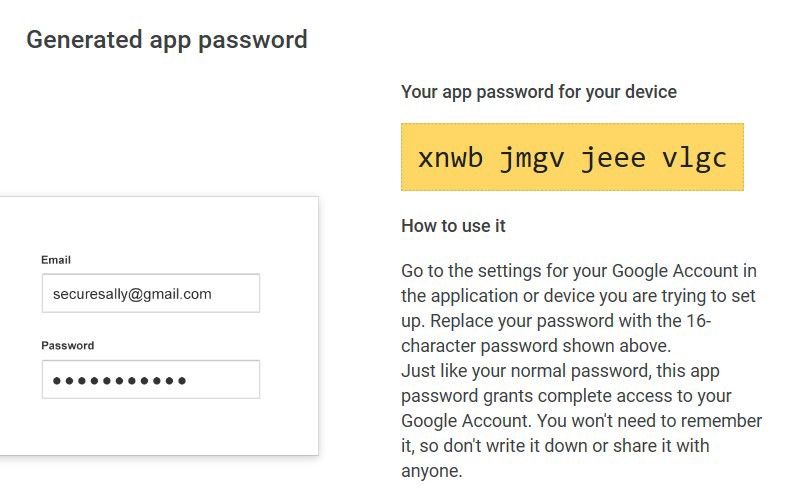


App password / Step 1

And enter a name, e.g. Python, and click ‘GENERATE’. Note this name has no link to the Python script and it could be anything.

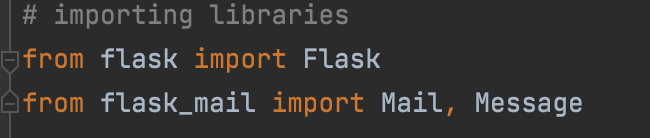


Then you will get a new app password. Copy and save the 16-character password without space, e.g. xnwbjmgvjeeevlgc, to use in your Python script.

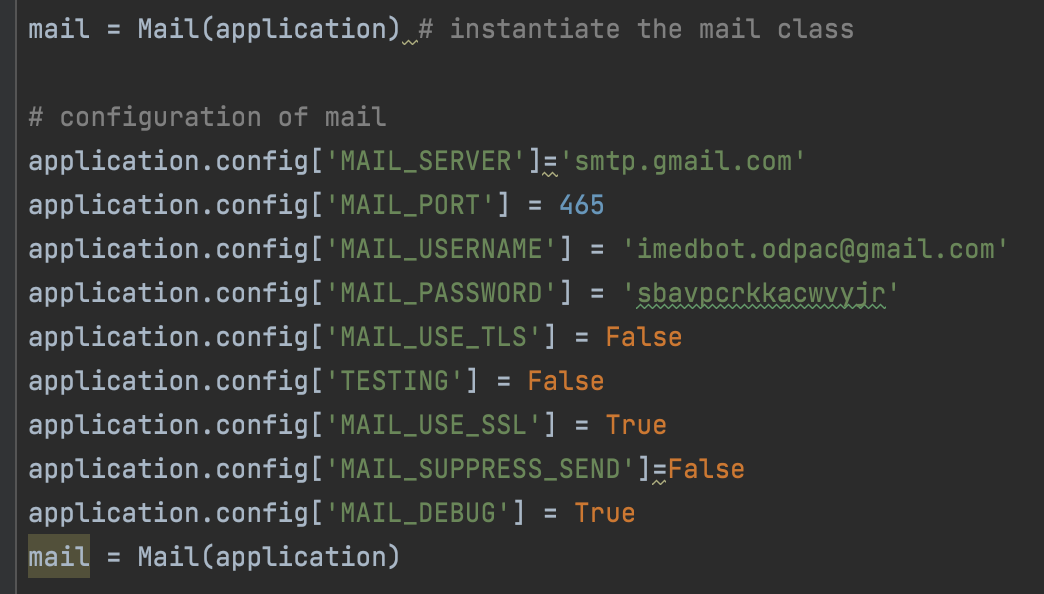


1. Send email in python

Import package for email with flask



Set parameters:



Here the password is the password for app which can be generated by step2.

Send email:

receiver=request.args.get('username')  
msg = Message('Verification code from iMedBot', sender='imedbot.odpac@gmail.com', recipients=[receiver])

msg.body = "This is your 6-digit verification code: "+pin

mail.send(msg)

Receiver is the receiver email address.

msg.body is the content of the email

2023.5.4. Setting up a new email (for imedbot user log in verification) account.

1) use the gmail account created for this project ([xiajiangw81x@gmail.com](mailto:xiajiangw81x@gmail.com))

2) You have to do two-step (google account management, settings, security) verification to create an app (iMedbot) password. Has to offer a phone number to do this.

3) Once 2) is done, click the two-step verification again, to access the “app password” option.

Graphical user interface, text, application, email

Description automatically generated

Select “other” , then

Graphical user interface, text, application

Description automatically generated

Graphical user interface, application

Description automatically generated

Copy the app password (in the yellow strip)

3) Edit the application.py for iMedbot. Change both the email address and password the new ones.

Graphical user interface, text

Description automatically generated

4) re-deploy imedbot to AWS.

5) tested with a new user, it worked (see below).

Graphical user interface

Description automatically generated

But strangely, even thought the verification codes were sent from the new app email ([xiajiangw81x@gmail.com](mailto:xiajiangw81x@gmail.com)), but we found later that the “sender” inside the code did not change and perhaps it did not have any effect as to where the code was sent from??? See below:

Graphical user interface, text, website

Description automatically generated