MPDV Office Documentation

Project Scope

This project involves the development of efficient office automation system based on biometric authentication with the following features:

• Login to dashboard based on personnel's identity

•Automation of adding Hydra system personnel into FaceSec device

Compare_office.py Compare_office_notification.py	Code to sync the data of the hydra system and FaceSec device to add all personnel that is from the hydra system to FaceSec device Same code as Compare_office but it has a notification feature which sends out error messages in the form of SMS and Email messages when there are errors in synchronization.
Main_office.py	Main code to run so the Logon to the dashboard and synchronization of the hydra system and FaceSec device
Client_office.py	Code to run to enable to receive request to logon to the dashboard of the user who scan face

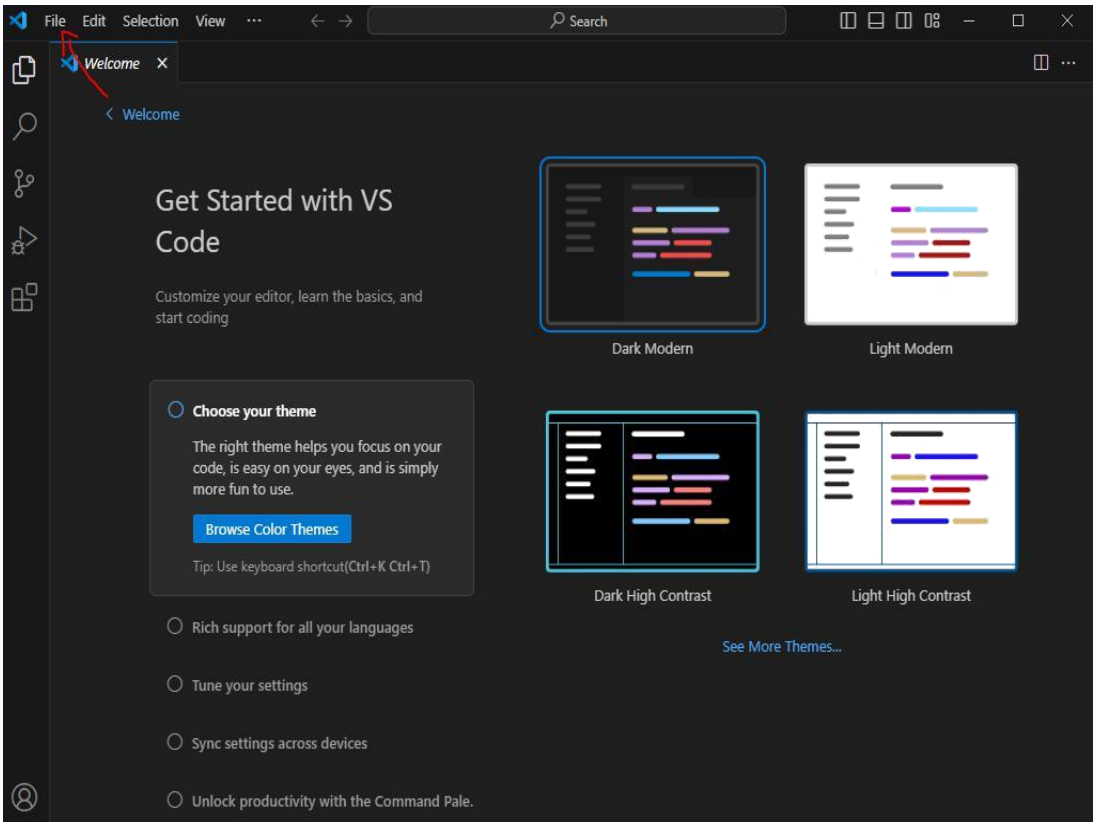
Prerequisites

- Make sure time on FaceSec matches your laptop (NTP doesn’t work on NYP Wi-Fi)
- Make sure that all the devices are connected to the ethernet hub of HYDRA server in Manufacturing lab (S.124) using Lan Cable
- Download VsCode (Visual Studio Code) or any python interpreter so that you can run the code

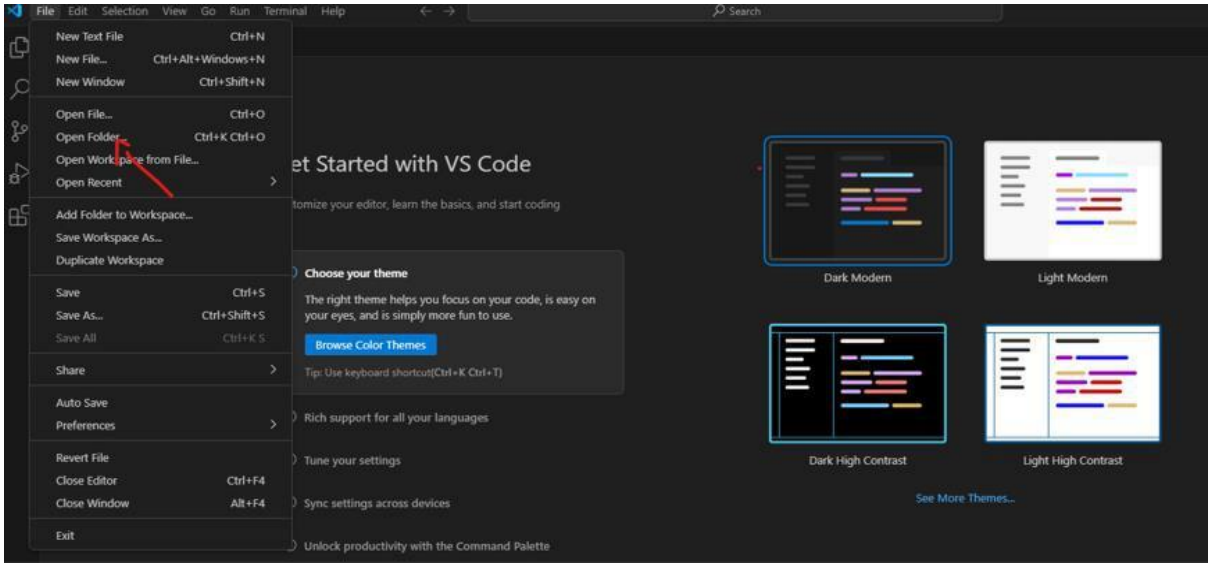
Running of scripts (Office)

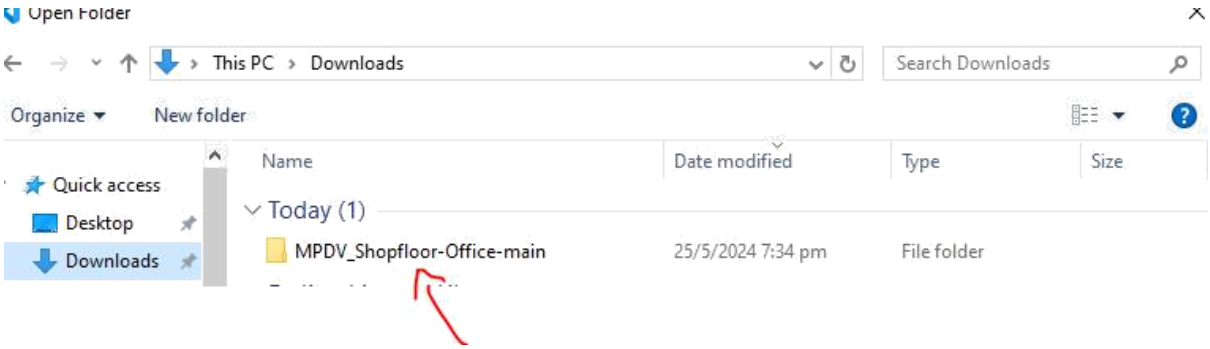
Importing and running code

1. To import the codes, click the file button that is on the top of VsCode as show in the pictures below

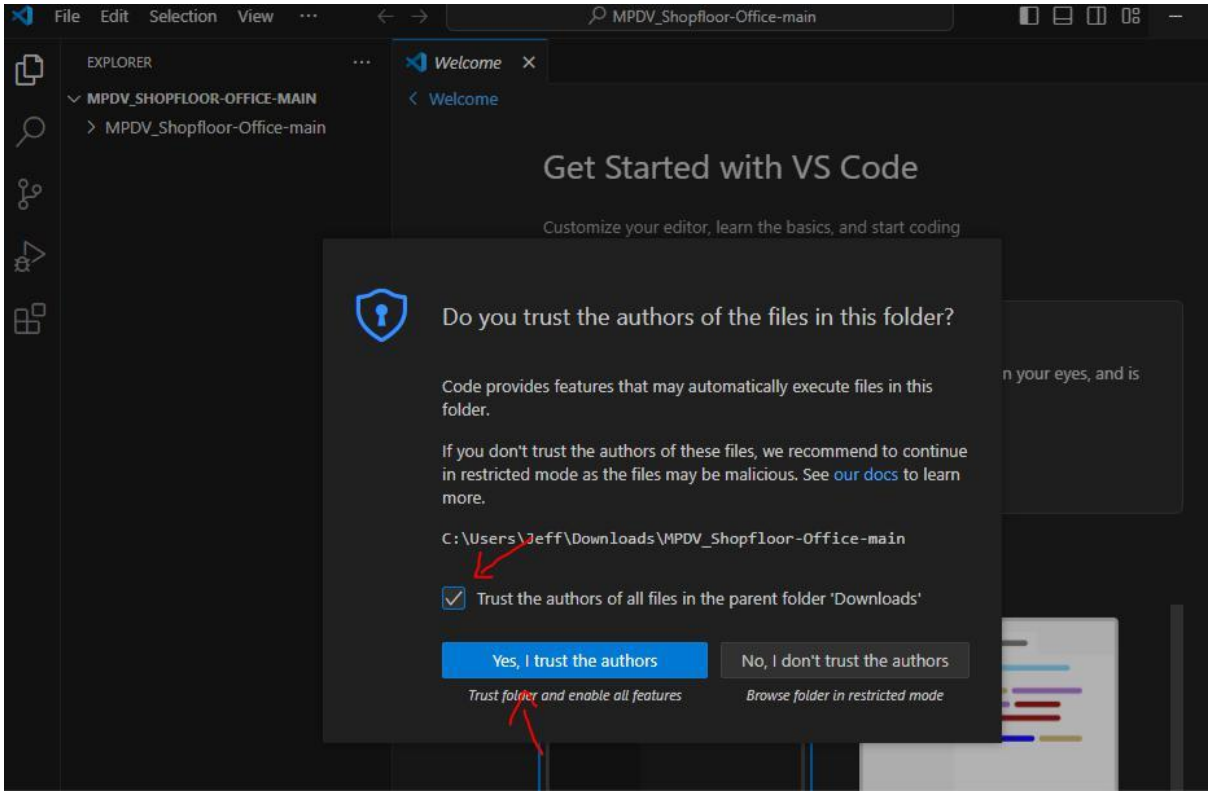


2. Click on open folder and find the file path of the folder and click on it to import the codes

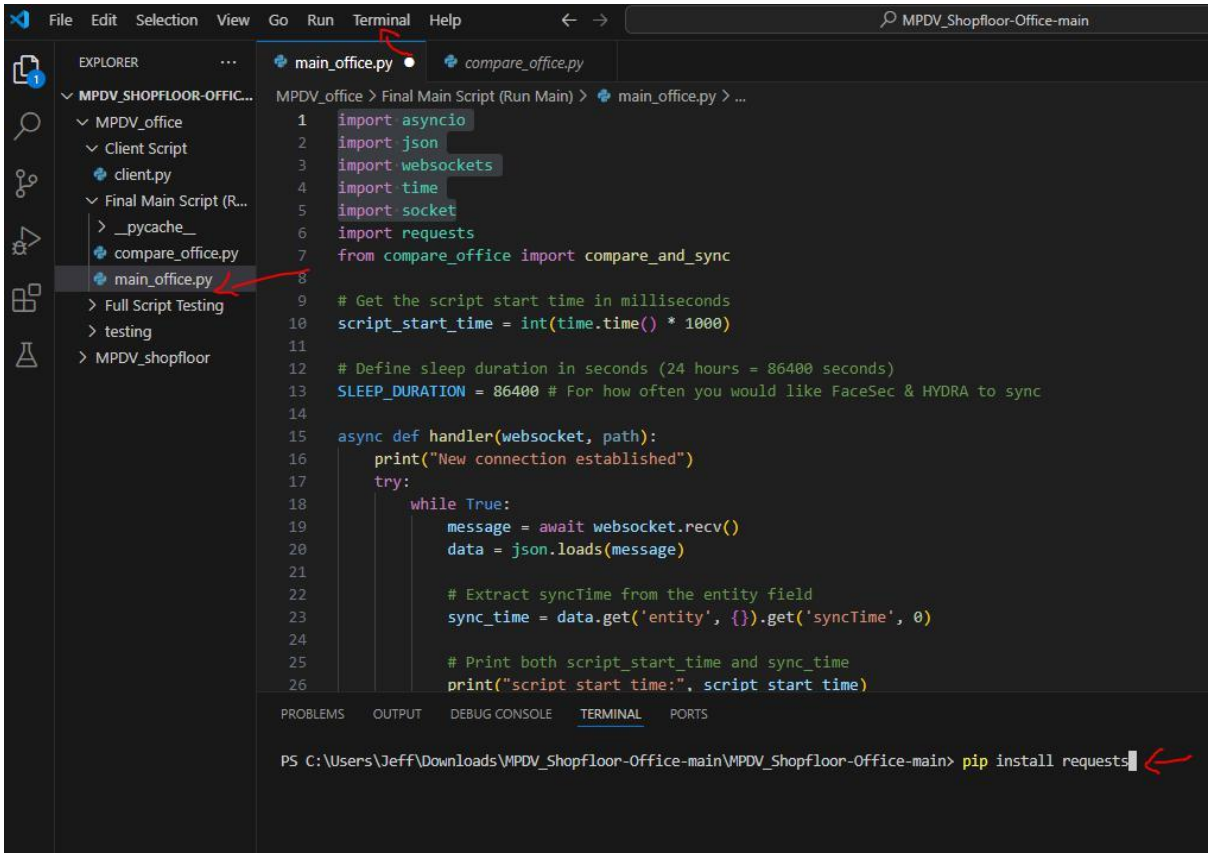




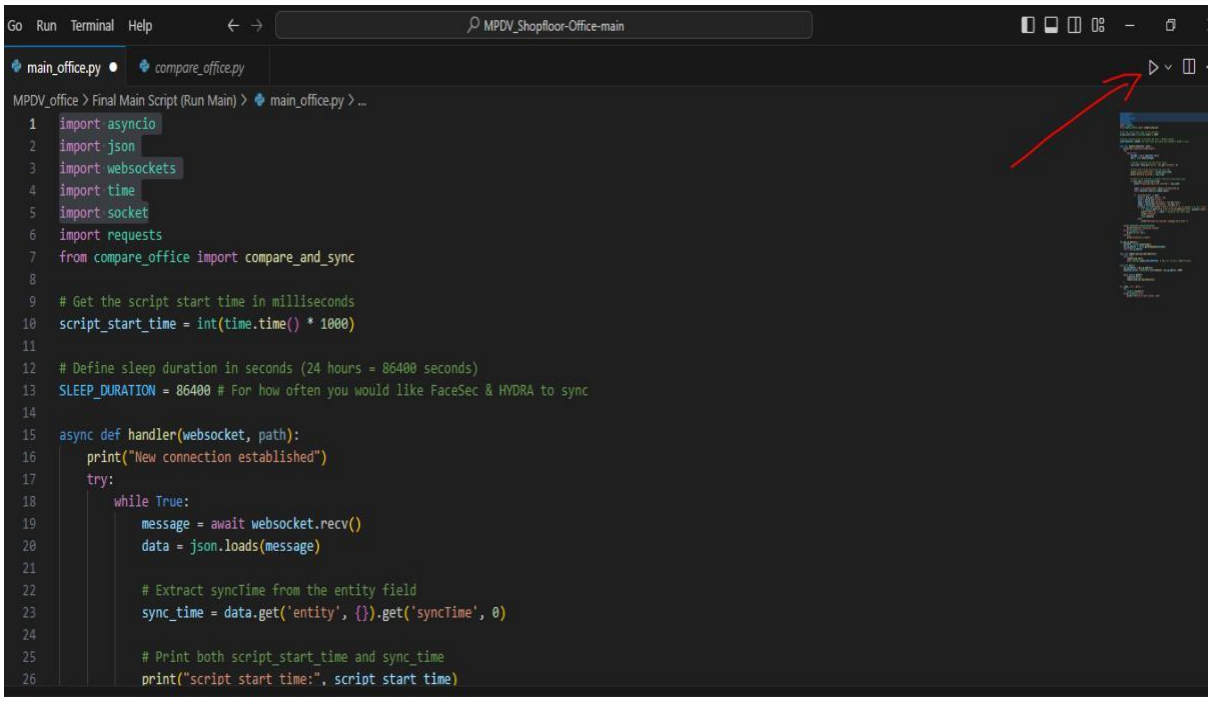
3. Tick the trust the author of all files box and click “Yes, I trust the authors”



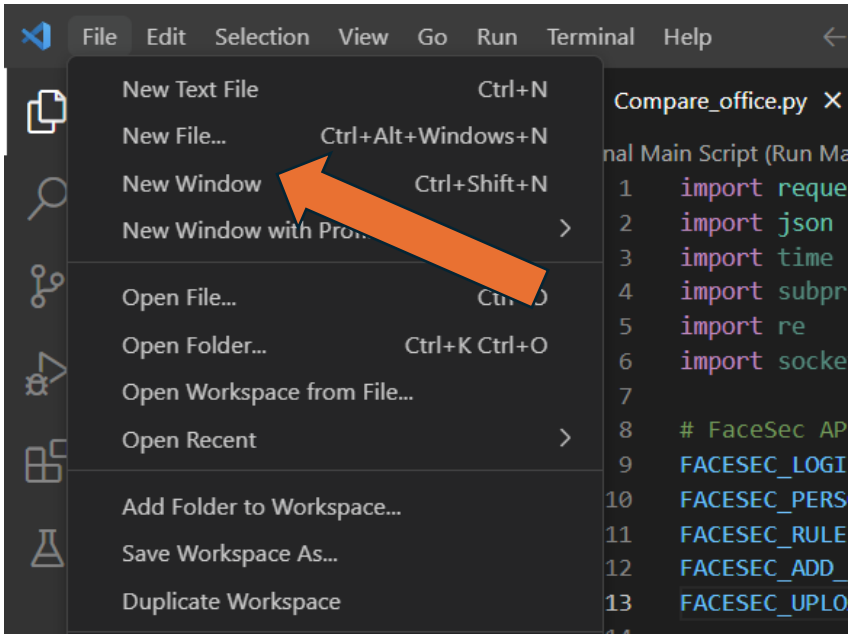
4. Click on Main_office
5. Click on Terminal to download libraries needed to run
6. Pip install requests
7. Pip install websockets
8. Pip install time
9. Pip install json
10. Pip install asyncio
11. pip install socket
12. pip install flask



13. Run main_office.py by click on the arrow on top right



14. Open “File” and click on “New Window” and open the Client.py file in the new window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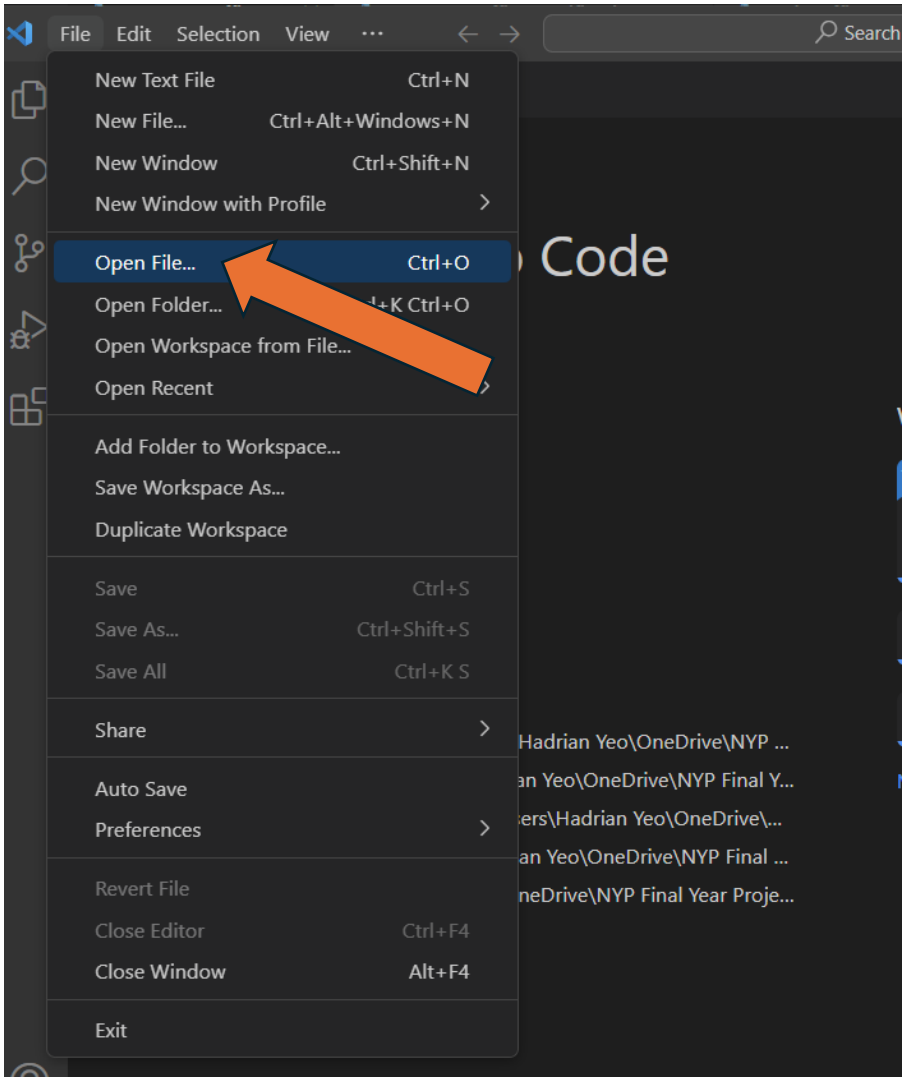
Compare_office.py
import reque
import json
import time
import subpr
import re
import socke
# FaceSec AP
FACESEC_LOGI
FACESEC_PERS
FACESEC_RULE
FACESEC_ADD_
FACESEC_UPLO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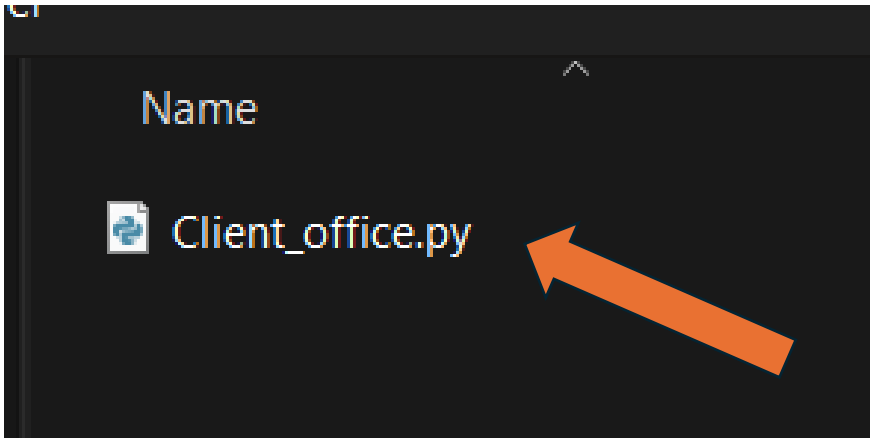
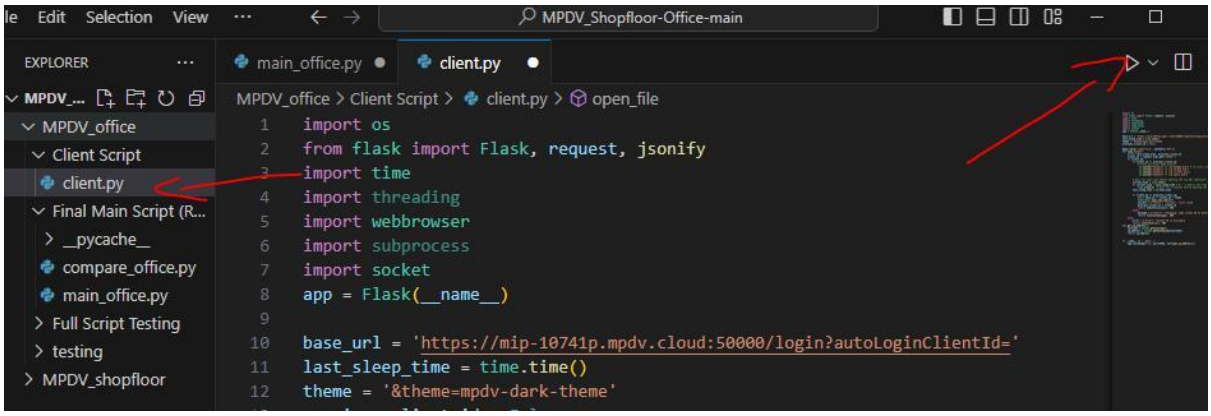
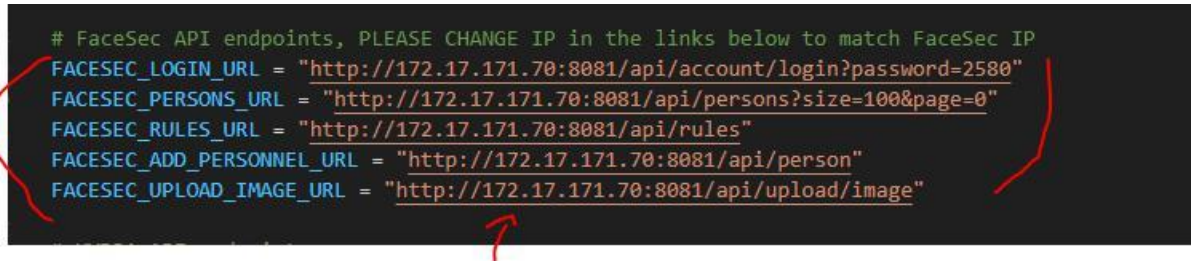

Name
Client_office.py

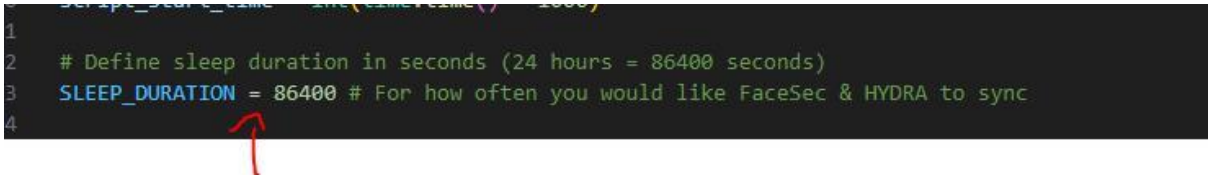
15. Run Client.py by click on the arrow on top right in the new window



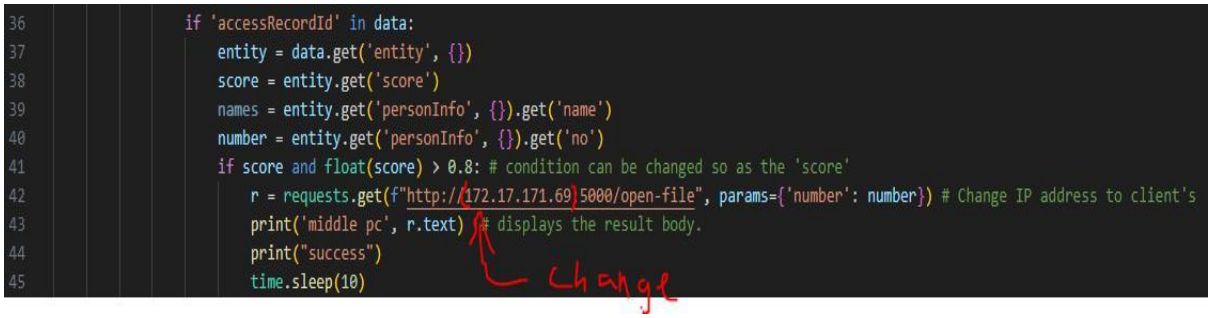
16. CHANGE all IP in the links below to match FaceSec IP
(From Compare_office.py)



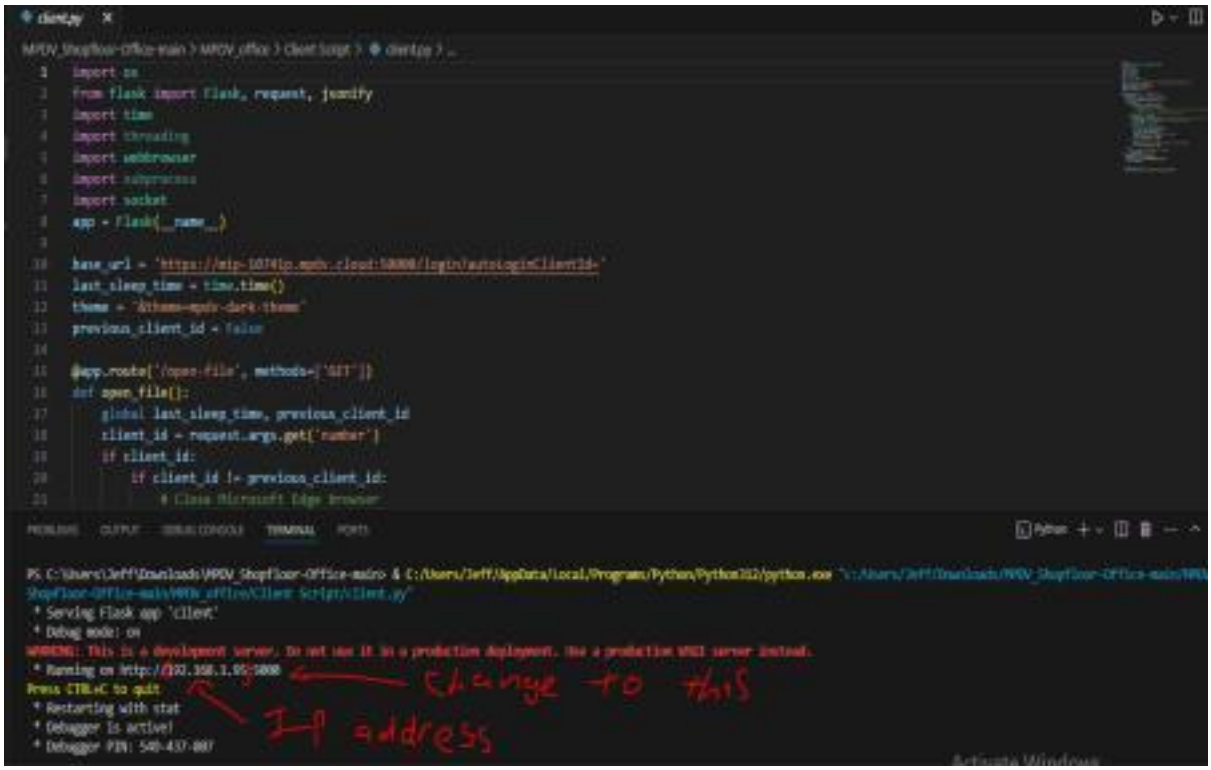
17. Change it to how often you would like FaceSec & HYDRA to sync
(from Main_office.py)



18. Change this part of the code from Main_office.py, Ip Address to the Ip of the device running Client.py (Different Ip address)



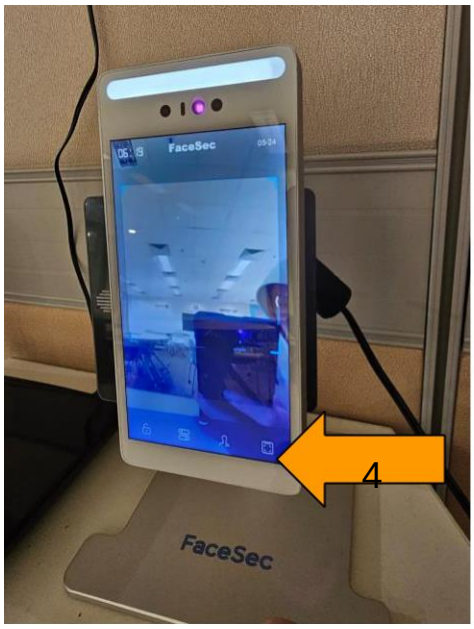
19. This Ip address below is just an example it is different between Wi-Fi and devices

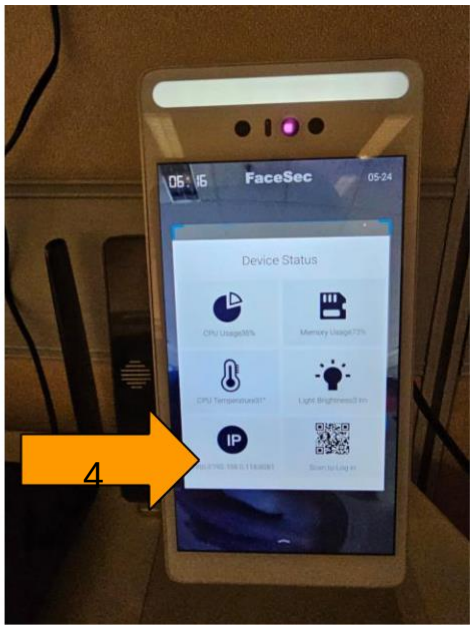


FaceSec Device

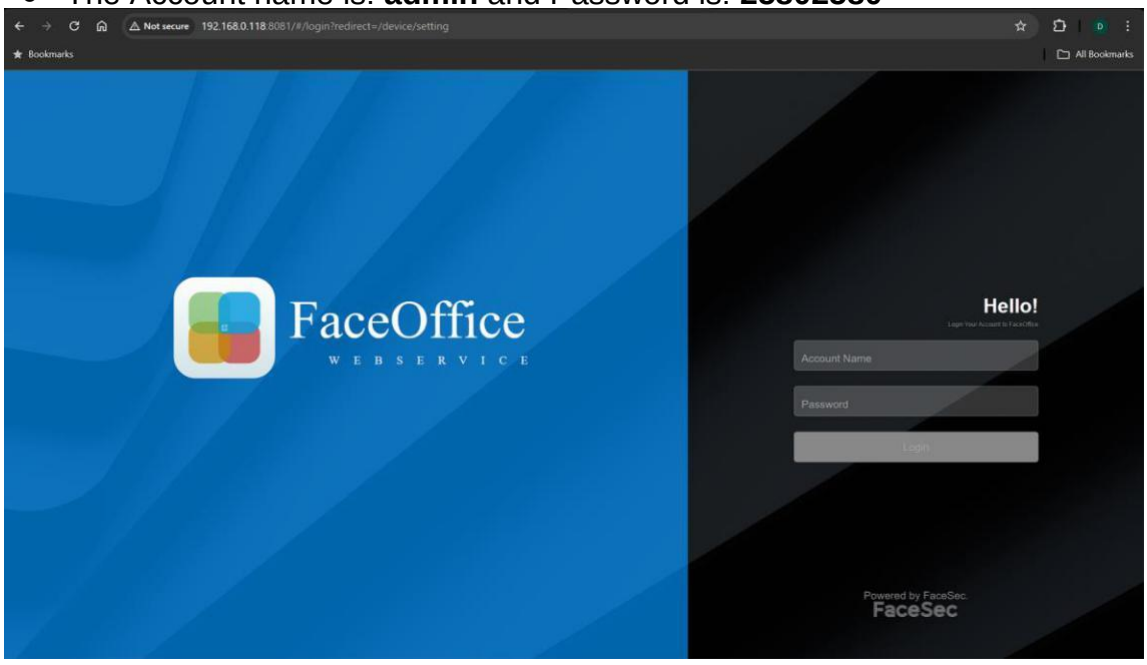
To configure Wi-Fi settings, follow the steps:

- Connect to the power plug and press the power button on the side to turn it on.
- It will connect to the Wi-Fi in the C4AI room if the router is turn on, if it is not, manually change the Wi-Fi to the C4AI_5GHz (name of Wi-Fi) Wi-Fi
- The password of the device is 25802580
- To get to the web UI for FaceSec, click the 4th icon and type the URL into your computer to access the web browser

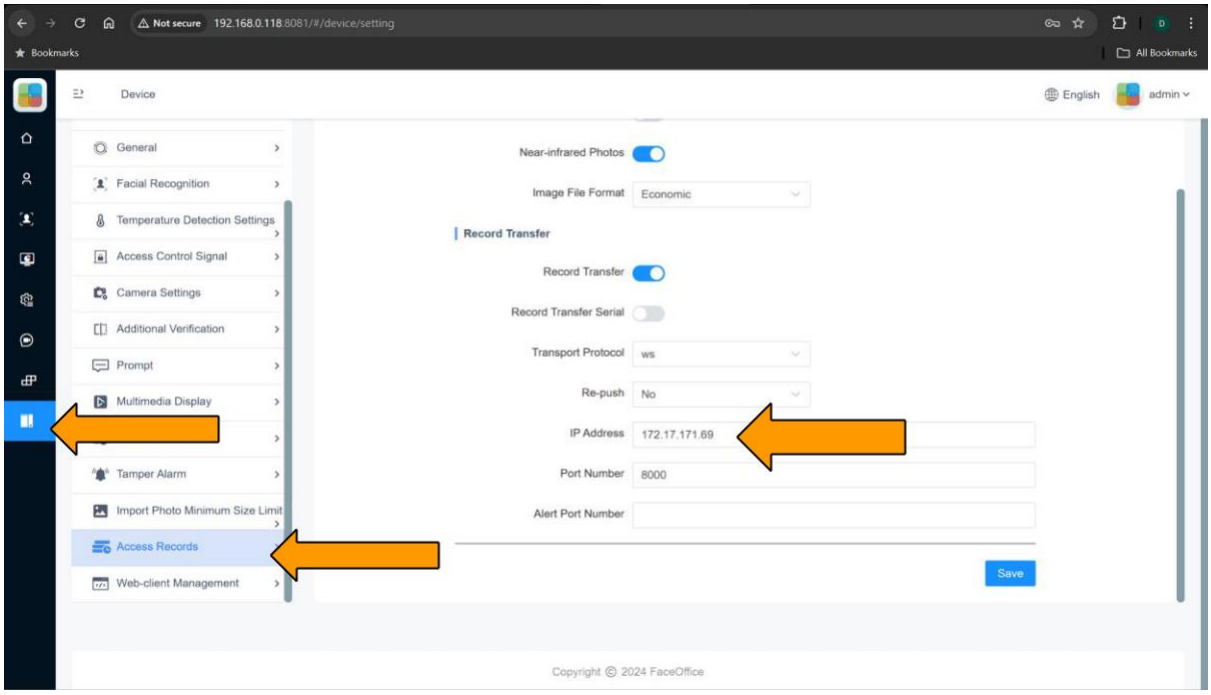




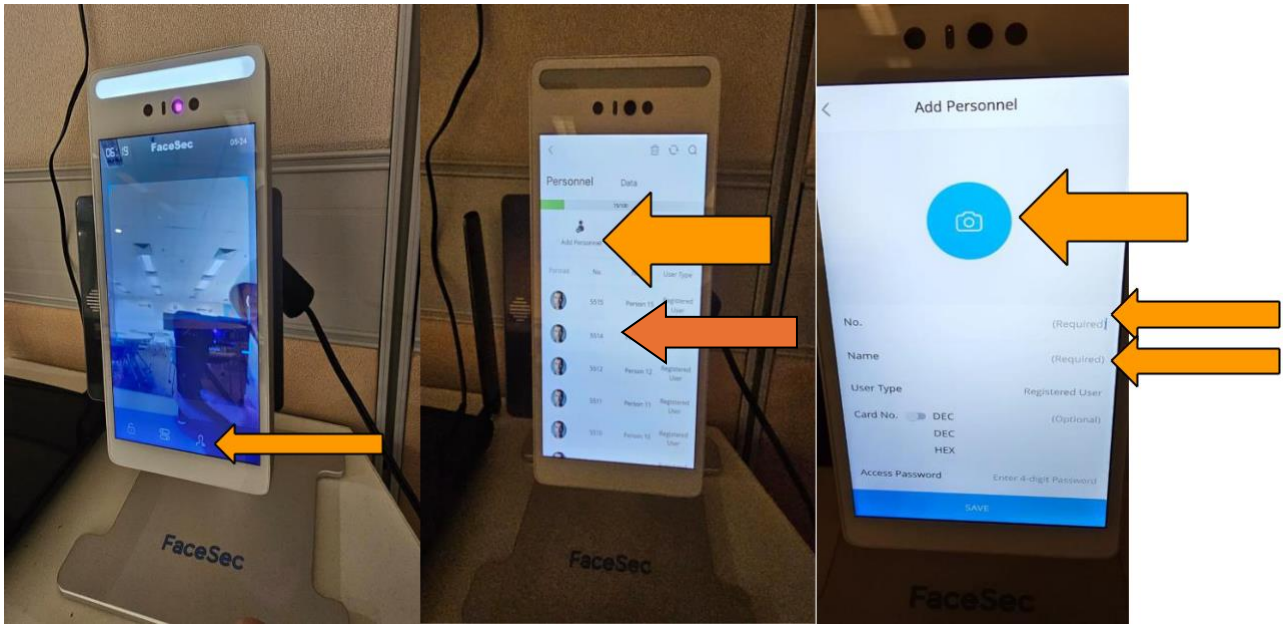
- The Account name is: **admin** and Password is: **25802580**



- Go to ‘Device’ > ‘Access Records’ and change IP address to your laptop’s



- To add your face, press third icon & enter 25802580 > pick one of the personnel with the stock face image > fill in required fields (picture), name & no.



Finally, change the timing of the FaceSec Device into the same timing as your laptop’s

To change the timing, press the second icon & enter 25802580 as the password > General > Date & Time > Fill in the current time in your laptop.