



DEPLOYMENT COMPUTER VISION MENGGUNAKAN NGROK

ADELIA KHOIRUNNISA - JUMATEC

BIODATA

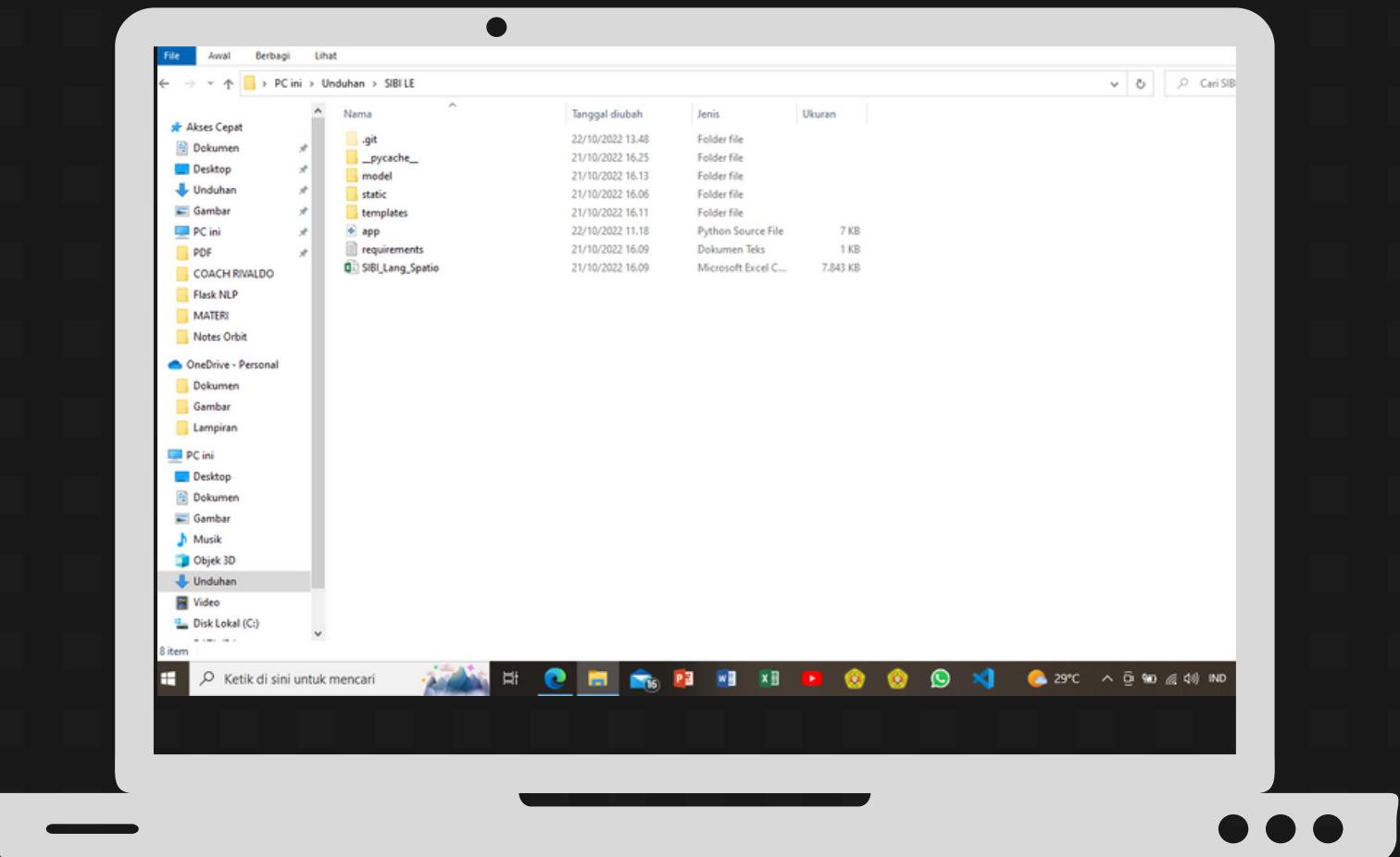


Annyeong! Saya Adelia Khoirunnisa, biasa dipanggil Adel. Saat ini saya menempuh pendidikan semester 5 di Universitas Pembangunan "Nasional" Veteran Jatim progdi Administrasi Bisnis.

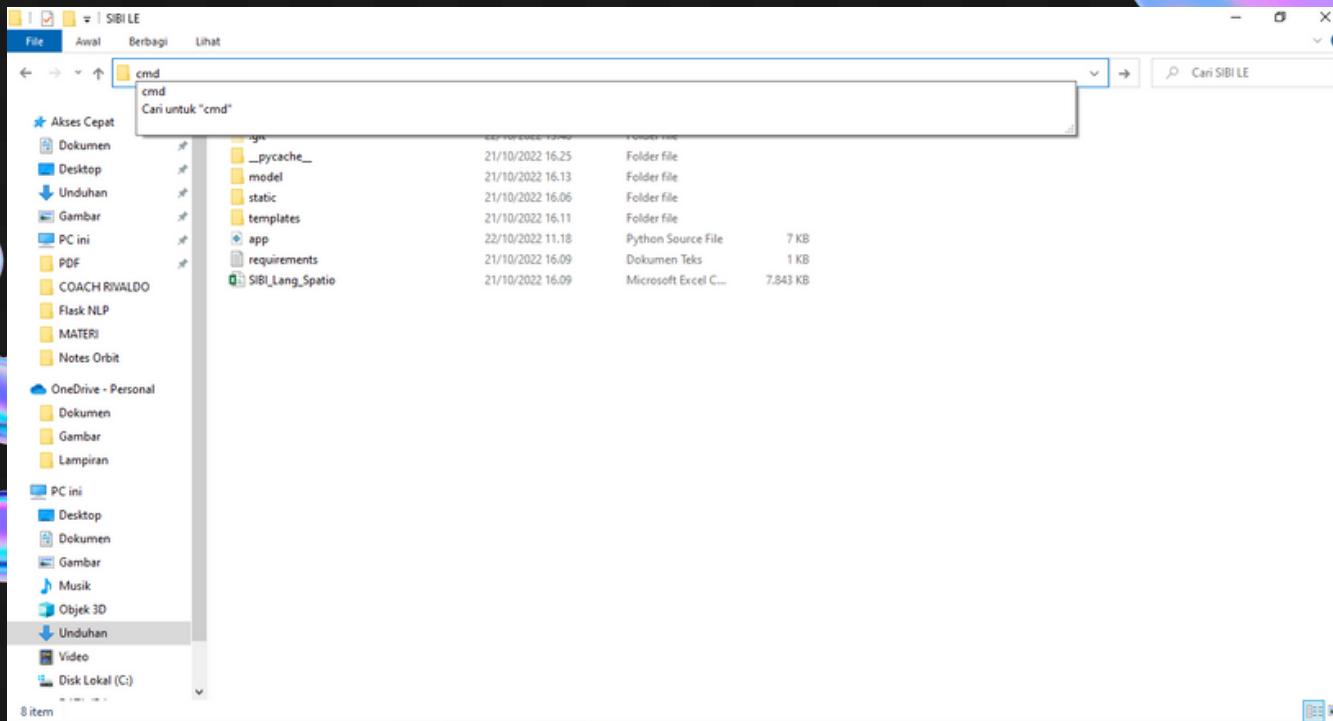
Saya memiliki minat di bidang keuangan, administrasi, dan tertarik dalam bidang analyst data.

/01

Buka folder project SIBI Lang Estimation (Flask CV) menggunakan File Explorer

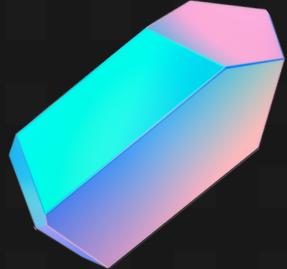


Bagi pengguna windows, buka console dengan
/02 cara ketik cmd di tab address
kemudian tekan tombol Enter



/03

Ketik 'code .' pada command prompt, kemudian tekan enter.
Otomatis file tersebut akan ditujukan ke visual studio code
kemudian pilih view klik terminal



File Edit Selection View Go Run Terminal Help

app.py - SIBI LE - Visual Studio Code

EXPLORER SIBI LE index.html app.py _init_.py requirements.txt

app.py > gen_frames

```
1 from flask import Flask, render_template, Response
2 import cv2
3 import time
4
5 Microsoft Windows [Version 10.0.19044.2130]
6 (c) Microsoft Corporation. All rights reserved.
7
8 C:\Users\ADEL\Downloads\SIBI LE>code .
9
10 C:\Users\ADEL\Downloads\SIBI LE>
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```

PROBLEMS

Traceback File cam Attribut (deploy His Microsoft (c) Microsoft Corporation. All rights reserved.

C:\Users\ADEL\Downloads\SIBI LE

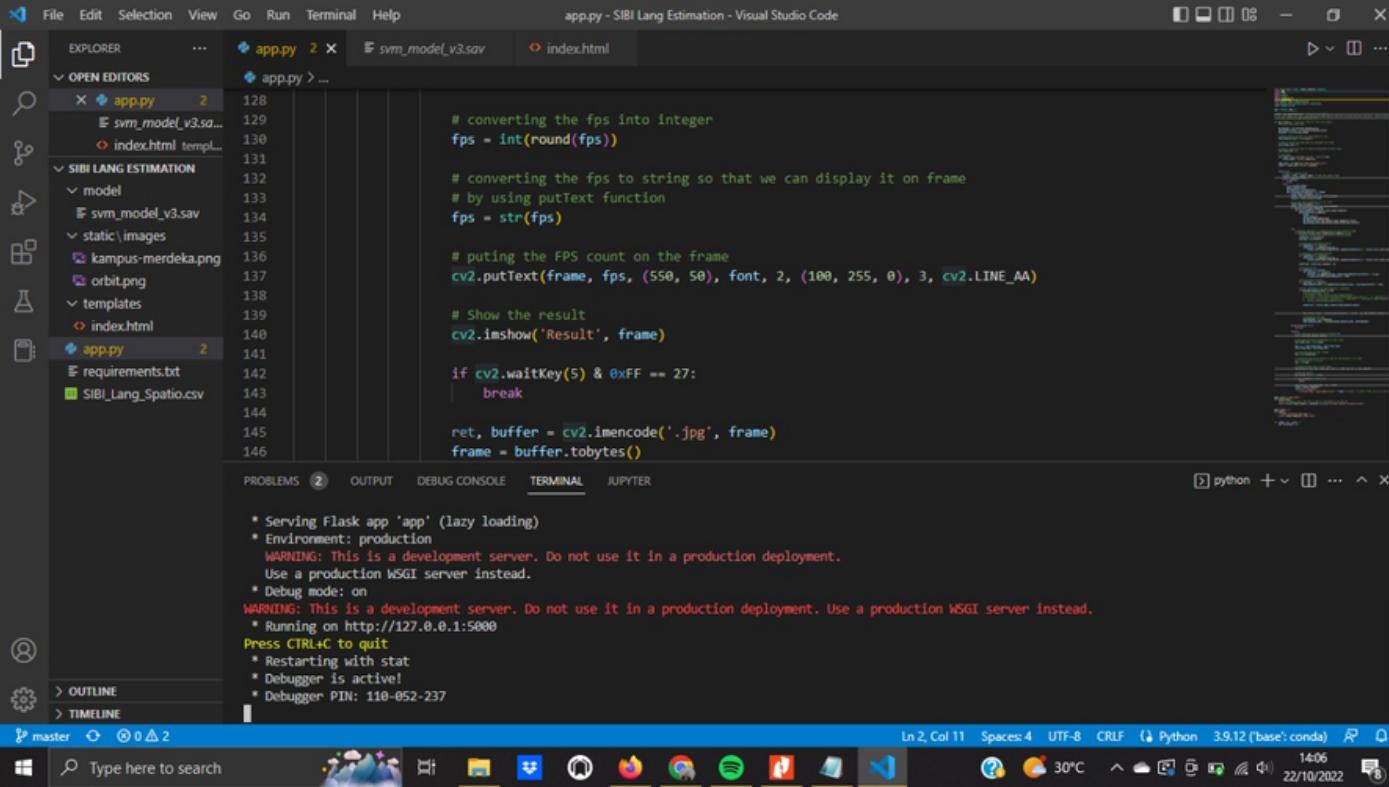
Ln 26, Col 38 Spaces:4 UTF-8 CRLF Python 3.9.13 (conda) 19:39 29°C ⌂ IND 22/10/2022

master 0 0 △ 0

Windows Search bar Taskbar

/04

SETELAH ENVIRONMENT UNTUK SIBI LANG ESTIMATION AKTIF, SELANJUTNYA JALANKAN PROGRAM DENGAN KETIK PYTHON APP.PY



The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** Shows the project structure under "SIBI LANG ESTIMATION".
 - app.py (2 versions)
 - svm_model_v3.sav
 - index.html template
 - model (svm_model_v3.sav)
 - static\images (kampus-merdeka.png, orbit.png)
 - templates (index.html)
 - requirements.txt
 - SIBI_Lang_Spatio.csv
- Code Editor:** Displays the content of app.py:

```
# converting the fps into integer
fps = int(round(fps))

# converting the fps to string so that we can display it on frame
# by using putText function
fps = str(fps)

# putting the FPS count on the frame
cv2.putText(frame, fps, (550, 50), font, 2, (100, 255, 0), 3, cv2.LINE_AA)

# Show the result
cv2.imshow('Result', frame)

if cv2.waitKey(5) & 0xFF == 27:
    break

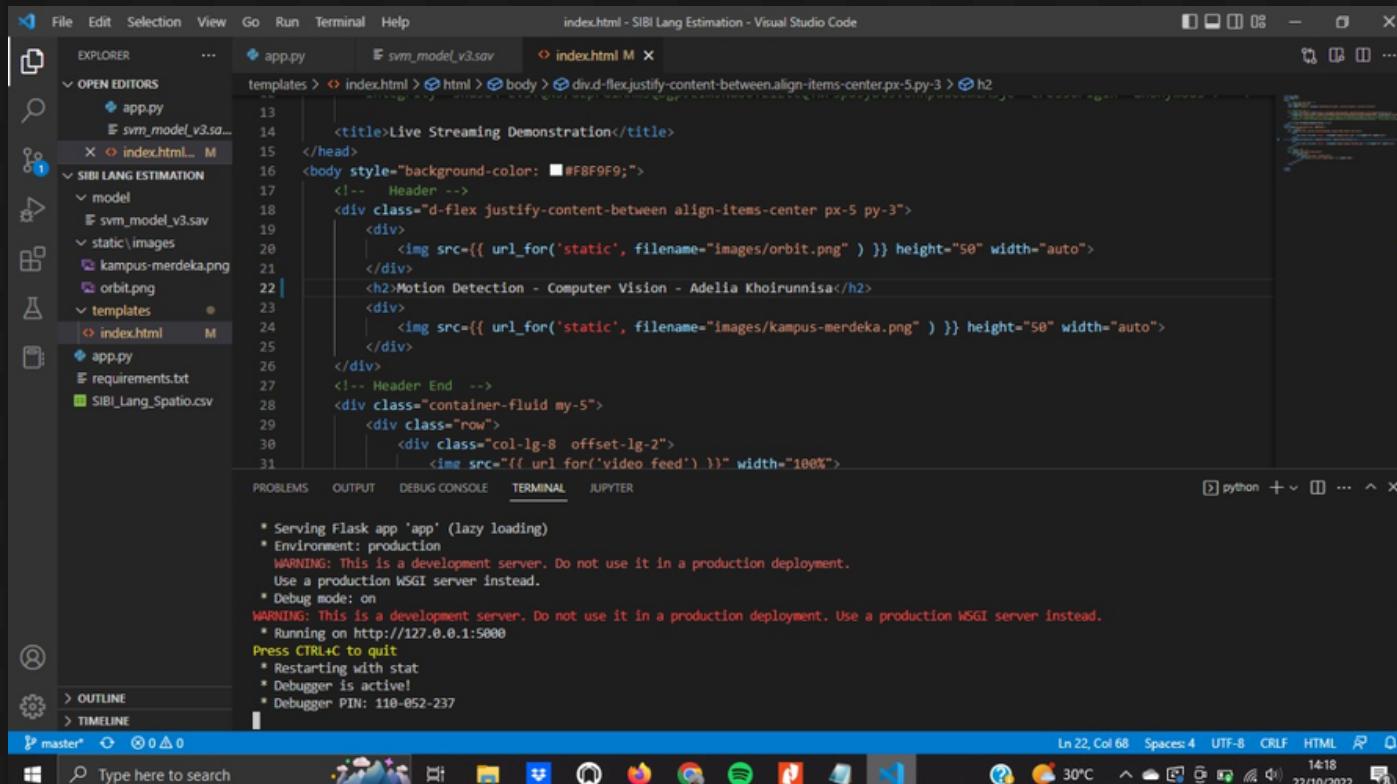
ret, buffer = cv2.imencode('.jpg', frame)
frame = buffer.tobytes()

# Serving Flask app 'app' (lazy loading)
# Environment: production
# WARNING: This is a development server. Do not use it in a production deployment.
# Use a production WSGI server instead.
# Debug mode: on
# WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
# Running on http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 110-052-237
```
- Terminal:** Shows the command "python + v ...".
- Bottom Status Bar:** Includes file path ("master"), search bar ("Type here to search"), taskbar icons (Cloud, File, Home, etc.), system status (CPU 30°C, battery 14:06, date 22/10/2022), and a pinned tab icon.
- Bottom Buttons:** Large green button labeled "True" and a black button labeled "False".

PERHATIKAN PORT APLIKASI SIBI LANG ESTIMATION
YANG MUNCUL PADA TERMINAL. PORT INI NANTINYA
AKAN KITA EKSPOS KE PUBLIK MENGGUNAKAN
NGROK.

/05

TERMINAL BARU DI VISUAL STUDIO CODE, KITA PILIH
TERMINAL CMD



The screenshot shows the Visual Studio Code interface. The Explorer sidebar on the left lists files and folders: app.py, svm_model_v3.sav, index.html (selected), model, static/images, kampus-merdeka.png, orbit.png, templates (selected), requirements.txt, and SIBI_Lang_Spatio.csv. The code editor shows the content of index.html, which includes HTML code for a live streaming demonstration. The terminal tab at the bottom displays the output of a Flask application running on port 5000, with a warning about using it in production. The status bar at the bottom right shows the date (22/10/2022) and time (14:18).

```
* Serving Flask app 'app' (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: on
  WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.1:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 110-052-237
```

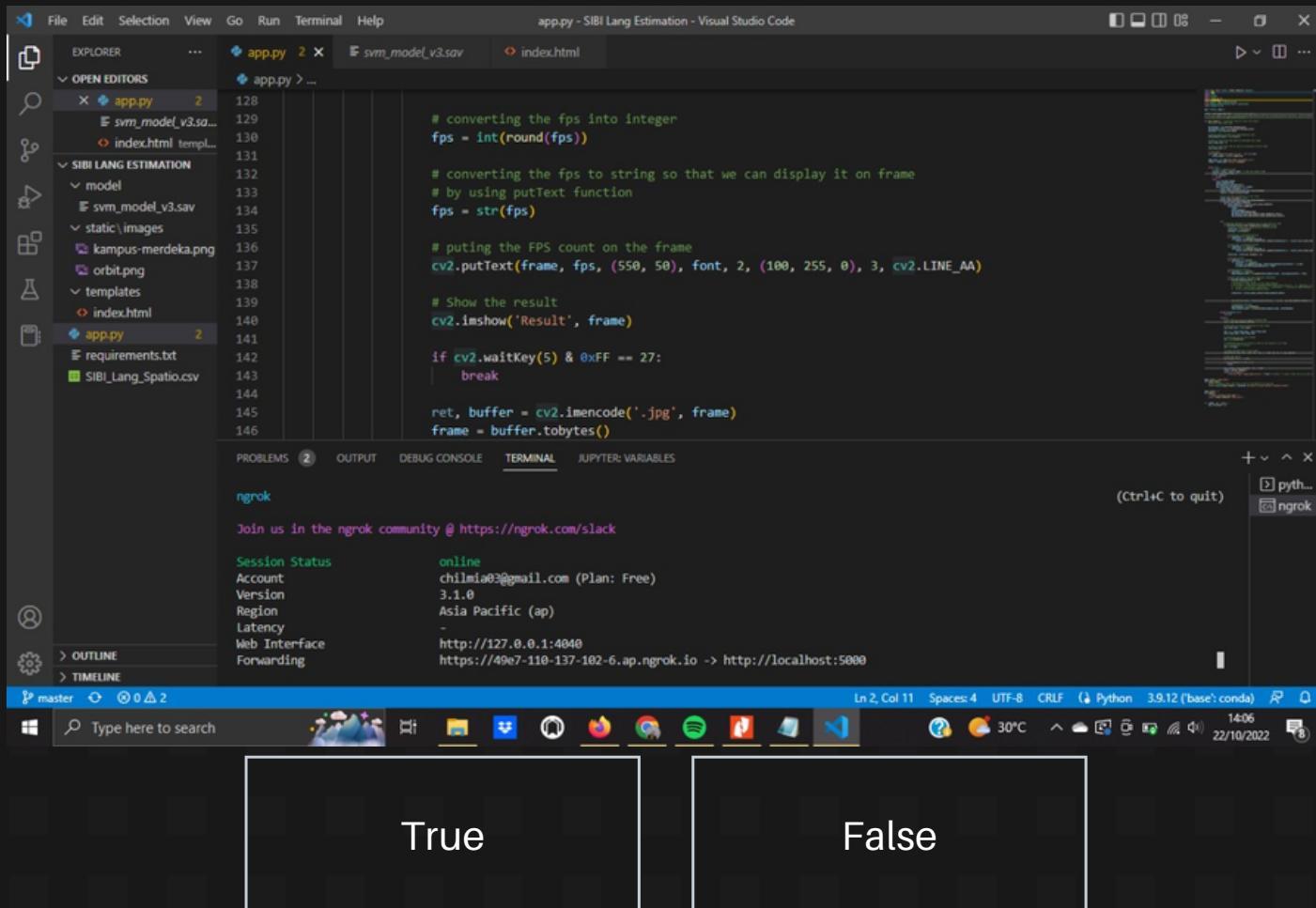
True

False

JALANKAN NGROK PADA TERMINAL BARU, DENGAN MENULISKAN
NGROK HTTP <PORT>

/06

NGROK KEMUDIAN AKAN MEN-GENERATE LINK
LOCALHOST KITA VIA INTERNET. USER LAIN BISA
MENGGUNAKAN LINK TERSEBUT UNTUK MENGAKSES
APLIKASI SIBI LANG ESTIMATION MESKIPUN APLIKASI
TERSEBUT ADA DI LOCALHOST.



File Edit Selection View Go Run Terminal Help app.py - SIBI Lang Estimation - Visual Studio Code

EXPLORER OPEN EDITORS SIBI LANG ESTIMATION model static\images templates index.html requirements.txt SIBI_Lang_Spatio.csv

app.py 2 app.py 2 svm_model_v3.sav index.html template

```
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# converting the fps into integer
fps = int(round(fps))

# converting the fps to string so that we can display it on frame
# by using putText function
fps = str(fps)

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cv2.putText(frame, fps, (550, 50), font, 2, (100, 255, 0), 3, cv2.LINE_AA)

# Show the result
cv2.imshow('Result', frame)

if cv2.waitKey(5) & 0xFF == 27:
    break

ret, buffer = cv2.imencode('.jpg', frame)
frame = buffer.tobytes()
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER: VARIABLES

ngrok

Join us in the ngrok community @ <https://ngrok.com/slack>

Session Status	online
Account	chilmia03@gmail.com (Plan: Free)
Version	3.1.0
Region	Asia Pacific (ap)
Latency	-
Web Interface	http://127.0.0.1:4040
Forwarding	https://49e7-110-137-102-6.ap.ngrok.io -> http://localhost:5000

(Ctrl+C to quit)

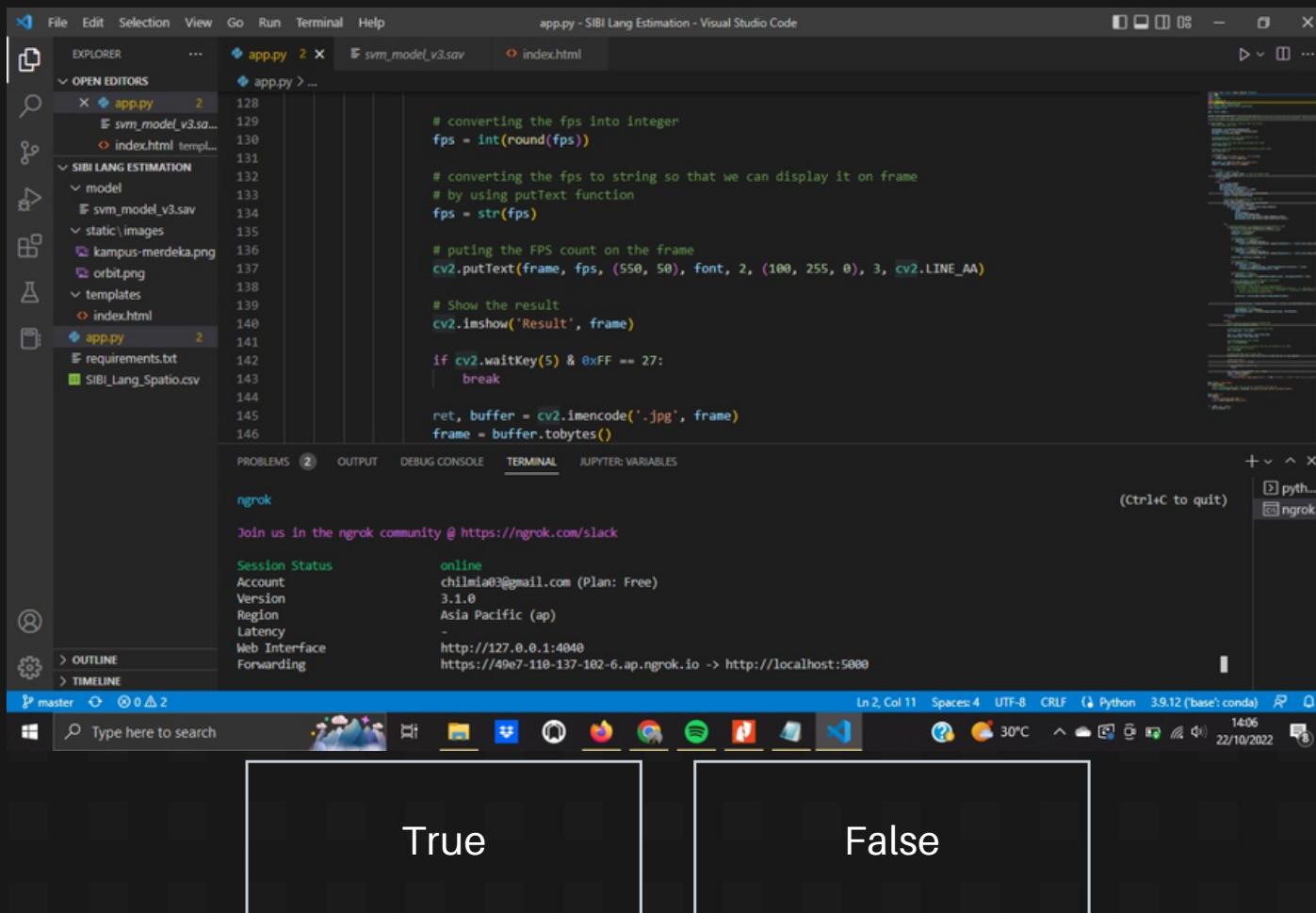
Ln 2, Col 11 Spaces: 4 UTF-8 CRLF Python 3.9.12 (base: conda) 14:06 22/10/2022

Type here to search

True

False

JALANKAN NGROK PADA TERMINAL BARU, DENGAN
MENULISKAN NGROK HTTP <PORT>
NGROK KEMUDIAN AKAN MEN-GENERATE LINK
LOCALHOST KITA VIA INTERNET. USER LAIN BISA
MENGGUNAKAN LINK TERSEBUT UNTUK MENGAKSES
APLIKASI SIBI LANG ESTIMATION MESKIPUN APLIKASI
TERSEBUT ADA DI LOCALHOST.



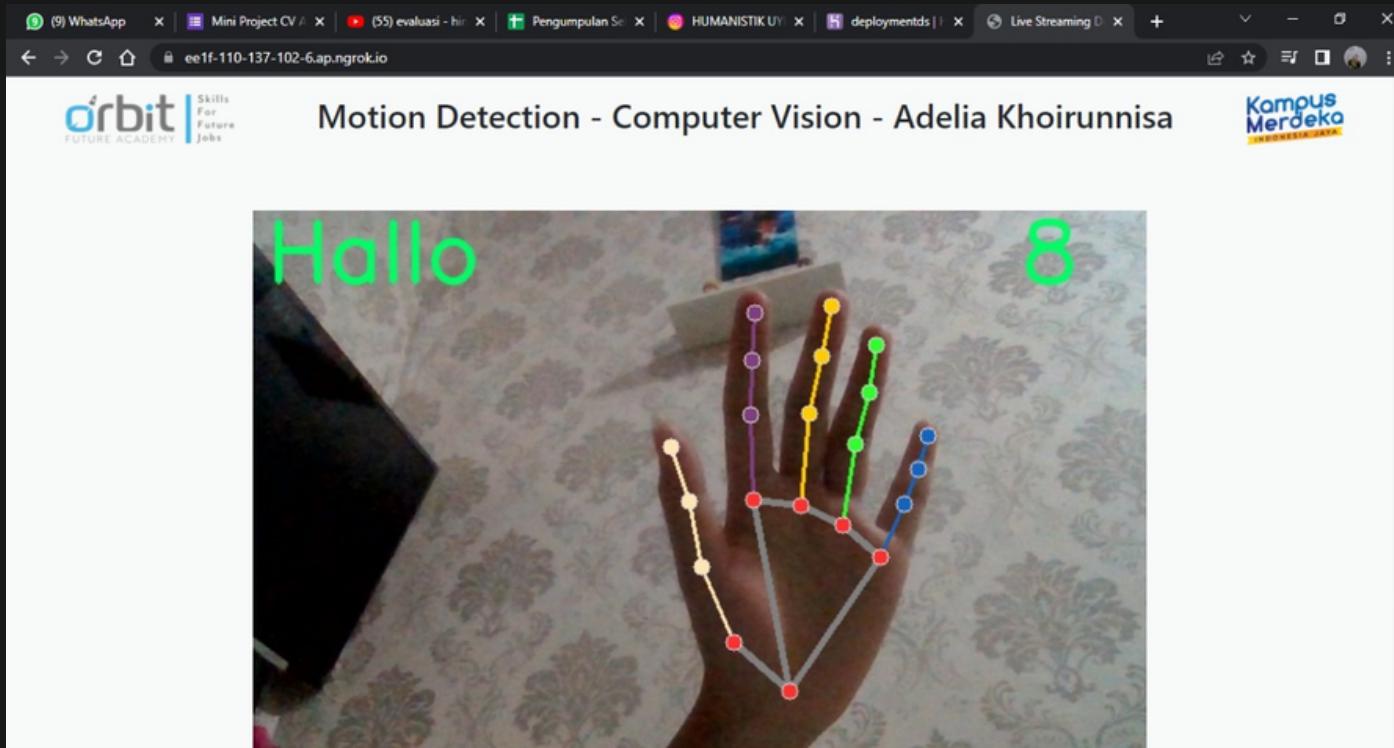
The screenshot shows a Visual Studio Code interface with the following details:

- File Explorer:** Shows files in the "SIBI LANG ESTIMATION" folder, including `app.py`, `svm_model_v3.sav`, `index.html`, `requirements.txt`, and `SIBI_Lang_Spatio.csv`.
- Code Editor:** Displays the `app.py` file content, which includes code for reading frames, calculating FPS, and encoding them as JPEGs.
- Terminal:** Shows an ngrok session status:

Session Status	online
Account	chilmia03@gmail.com (Plan: Free)
Version	3.1.0
Region	Asia Pacific (ap)
Latency	-
Web Interface	http://127.0.0.1:4040
Forwarding	https://49e7-110-137-102-6.ap.ngrok.io -> http://localhost:5000
- Terminal Output:** Two separate terminal windows show the words "True" and "False".
- Taskbar:** Shows the Windows taskbar with various pinned icons.

/08

BERIKUT TAMPILAN SIBI LANG ESTIMATION SAAT DIJALANKAN



True

False



THANK
YOU

