



22 OKTOBER 2022



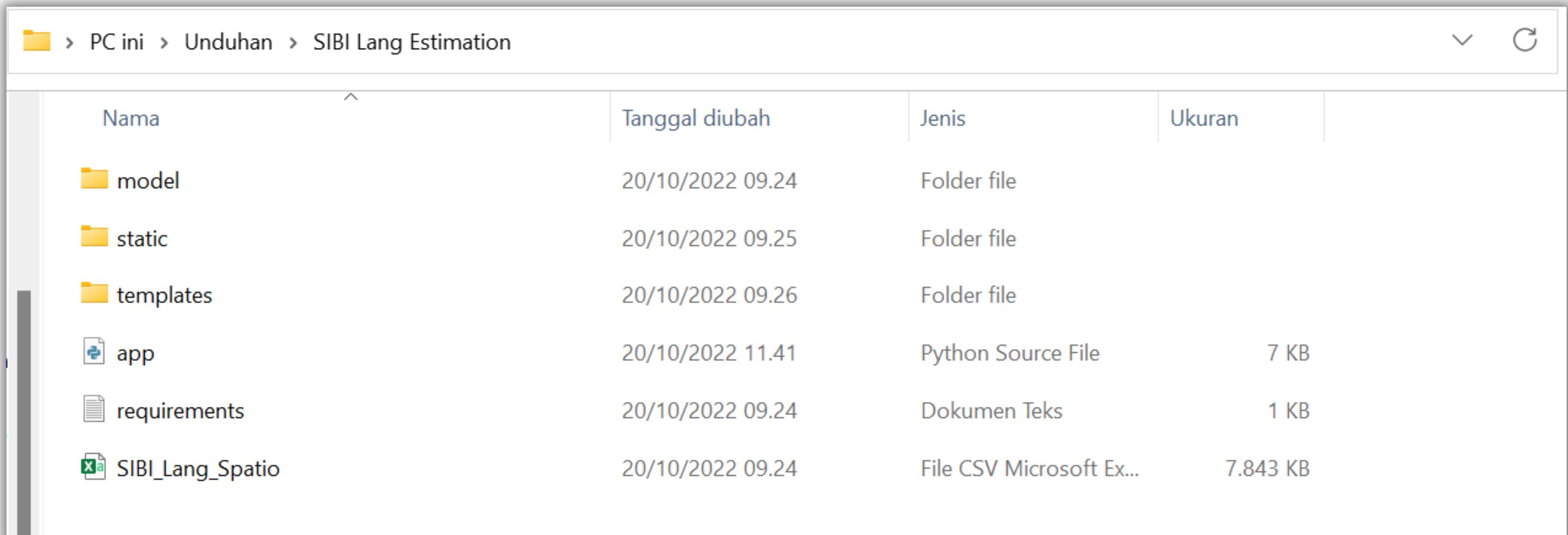
Deployment Computer Vision With Ngrok

Abdullah Latif - Jumatec Class



STEP 1

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

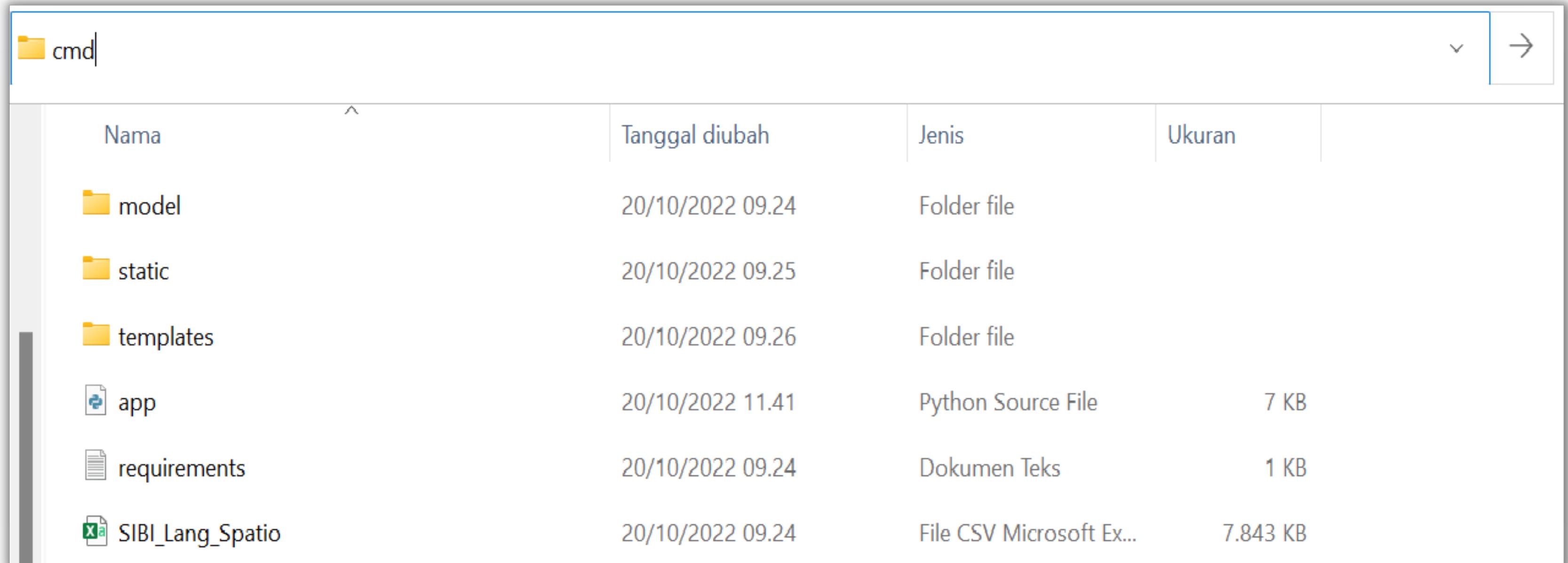


The screenshot shows a Windows Explorer window displaying the contents of a project folder named "SIBI Lang Estimation". The path in the address bar is "PC ini > Unduhan > SIBI Lang Estimation". The table lists the following files and folders:

Nama	Tanggal diubah	Jenis	Ukuran
model	20/10/2022 09.24	Folder file	
static	20/10/2022 09.25	Folder file	
templates	20/10/2022 09.26	Folder file	
app	20/10/2022 11.41	Python Source File	7 KB
requirements	20/10/2022 09.24	Dokumen Teks	1 KB
SIBI_Lang_Spatio	20/10/2022 09.24	File CSV Microsoft Ex...	7.843 KB

STEP 2

Bagi pengguna windows, buka console dengan cara ketik cmd di tab address Windows Explorer kemudian tekan tombol Enter.



The screenshot shows a Windows Explorer window with the following details:

Nama	Tanggal diubah	Jenis	Ukuran
model	20/10/2022 09.24	Folder file	
static	20/10/2022 09.25	Folder file	
templates	20/10/2022 09.26	Folder file	
app	20/10/2022 11.41	Python Source File	7 KB
requirements	20/10/2022 09.24	Dokumen Teks	1 KB
SIBI_Lang_Spatio	20/10/2022 09.24	File CSV Microsoft Ex...	7.843 KB

STEP 3

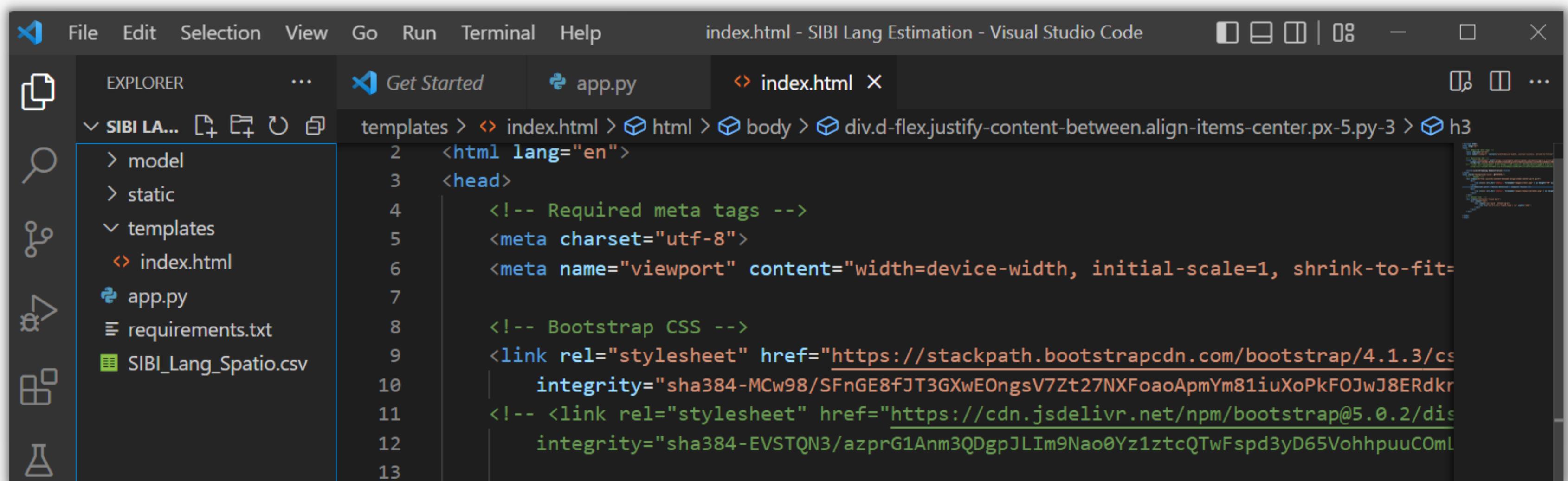
Ketik code . pada Command Prompt kemudian tekan tombol enter

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.22000.978]
(c) Microsoft Corporation. All rights reserved.

C:\Users\abdullah latif\Downloads\SIBI Lang Estimation>code ..
```

STEP 4

Setelah itu Aplikasi Visual Studio Code akan terbuka dengan akses folder aplikasi SIBI Lang Estimation



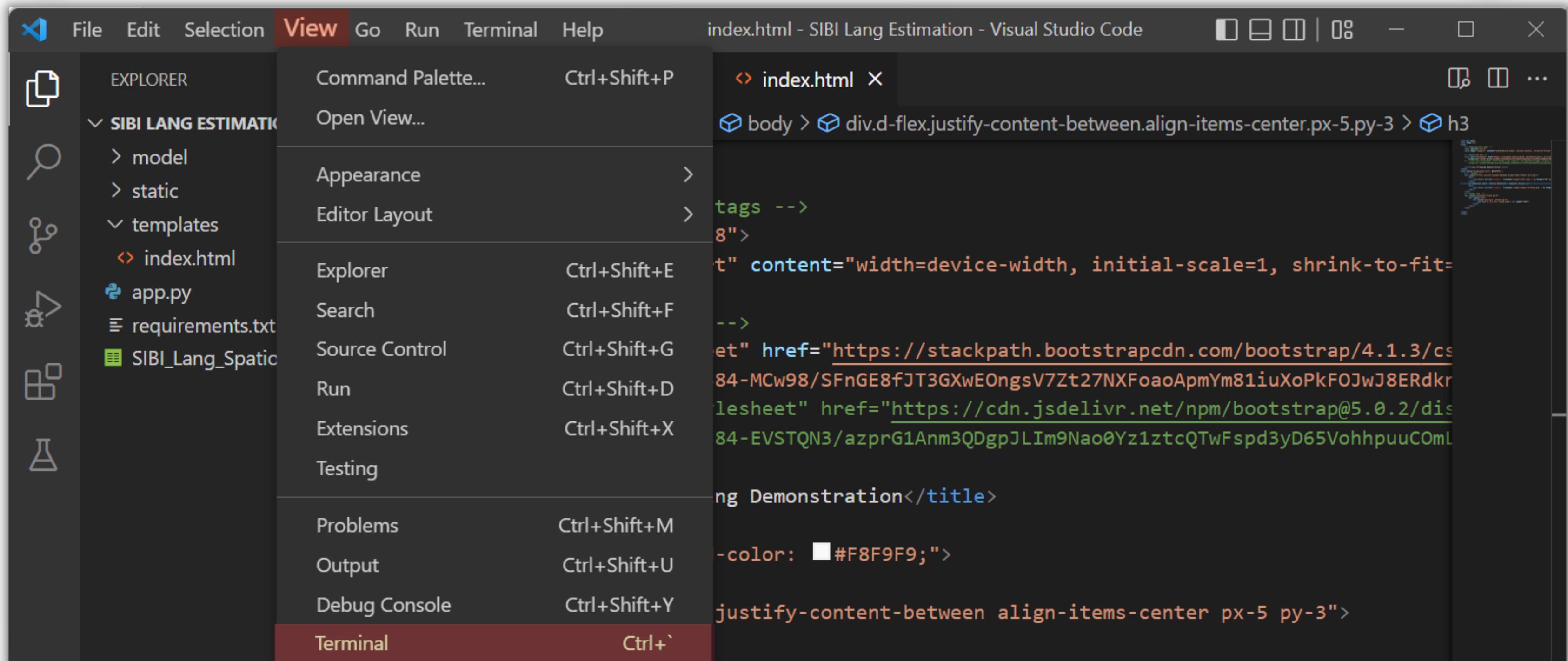
The screenshot shows the Visual Studio Code interface with the following details:

- File Bar:** File, Edit, Selection, View, Go, Run, Terminal, Help.
- Title Bar:** index.html - SIBI Lang Estimation - Visual Studio Code.
- Explorer View:** Shows the project structure:
 - SIBI LA... (expanded)
 - model
 - static
 - templates (expanded)
 - index.html
 - app.py
 - requirements.txt
 - SIBI_Lang_Spatio.csv
- Editor View:** The file index.html is open, showing the following code:

```
2 <html lang="en">
3   <head>
4     <!-- Required meta tags -->
5     <meta charset="utf-8">
6     <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=
7
8     <!-- Bootstrap CSS -->
9     <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/cs
10    integrity="sha384-MCw98/SFnGE8fJT3GXwEOngsV7Zt27NXFoaoApmYm81iuXoPkFOJwJ8ERdkr
11    <!-- <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/
12    integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpooOML
```

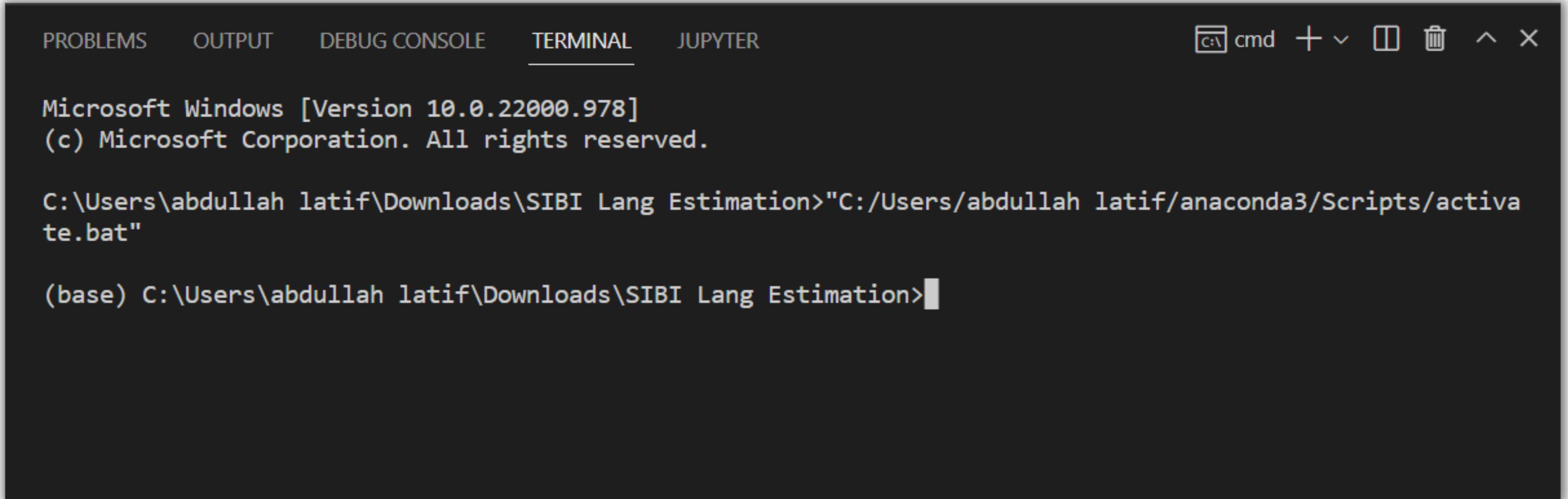
STEP 5

Buka terminal di Visual Studio Code



STEP 6

Setelah itu, terminal akan muncul pada bagian bawah Visual Studio Code



A screenshot of the Visual Studio Code interface, specifically focusing on the Terminal tab. The terminal window displays a Windows command prompt. The output shows the following text:

```
Microsoft Windows [Version 10.0.22000.978]
(c) Microsoft Corporation. All rights reserved.

C:\Users\abdullah latif\Downloads\SIBI Lang Estimation>"C:/Users/abdullah latif/anaconda3/Scripts/activate.bat"

(base) C:\Users\abdullah latif\Downloads\SIBI Lang Estimation>
```

STEP 7

Aktifkan virtual environment untuk project SIBI Lang Estimation



```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    JUPYTER    [cmd] cmd + √ ⊞ ⊖ ^ ×

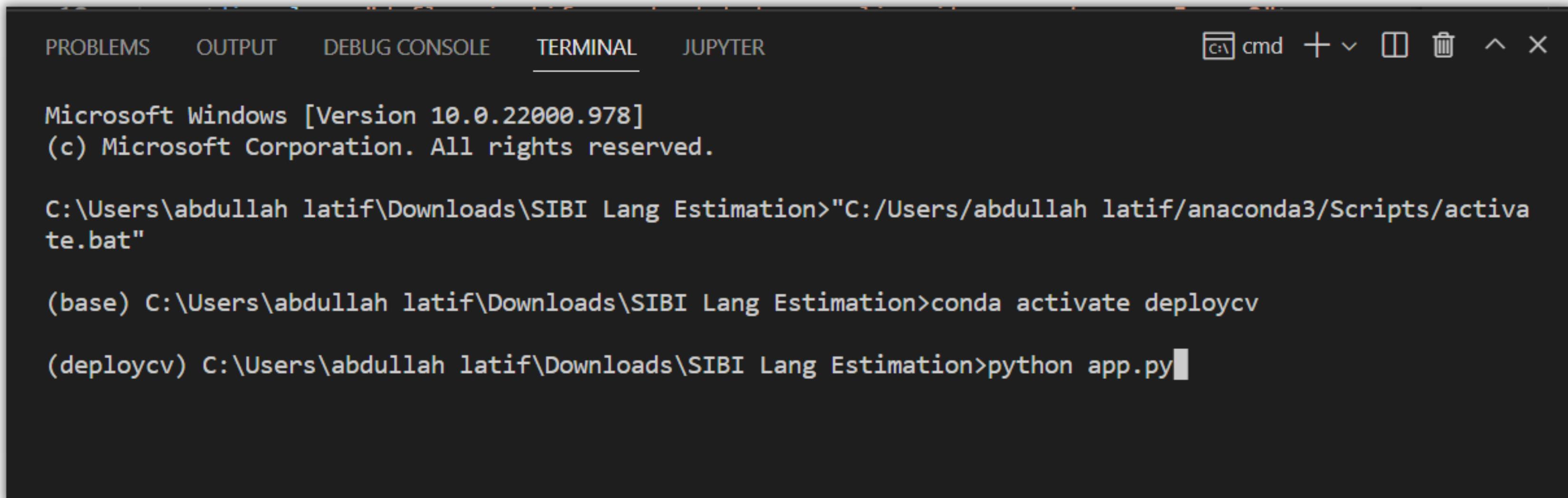
Microsoft Windows [Version 10.0.22000.978]
(c) Microsoft Corporation. All rights reserved.

C:\Users\abdullah latif\Downloads\SIBI Lang Estimation>"C:/Users/abdullah latif/anaconda3/Scripts/activate.bat"

(base) C:\Users\abdullah latif\Downloads\SIBI Lang Estimation>conda activate deploycv
```

STEP 8

Jalankan aplikasi SIBI Lang Estimation via terminal menggunakan python app.py



The screenshot shows a terminal window with the following interface elements:

- Top bar: PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL (highlighted in red), JUPYTER.
- Right side: cmd icon, + icon, close button (X).

The terminal output is as follows:

```
Microsoft Windows [Version 10.0.22000.978]
(c) Microsoft Corporation. All rights reserved.

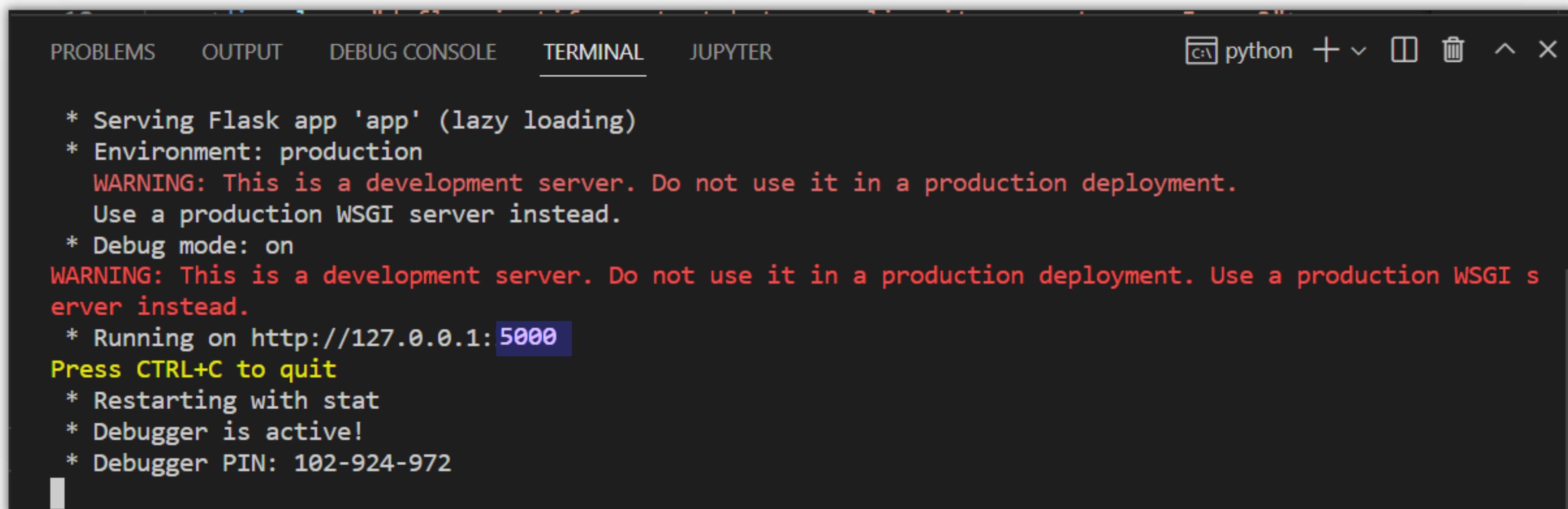
C:\Users\abdullah latif\Downloads\SIBI Lang Estimation>"C:/Users/abdullah latif/anaconda3/Scripts/activate.bat"

(base) C:\Users\abdullah latif\Downloads\SIBI Lang Estimation>conda activate deploycv

(deploycv) C:\Users\abdullah latif\Downloads\SIBI Lang Estimation>python app.py
```

STEP 9

Perhatikan port aplikasi SIBI Lang Estimation yang muncul pada terminal. Port ini nantinya akan kita ekspos ke publik menggunakan Ngrok



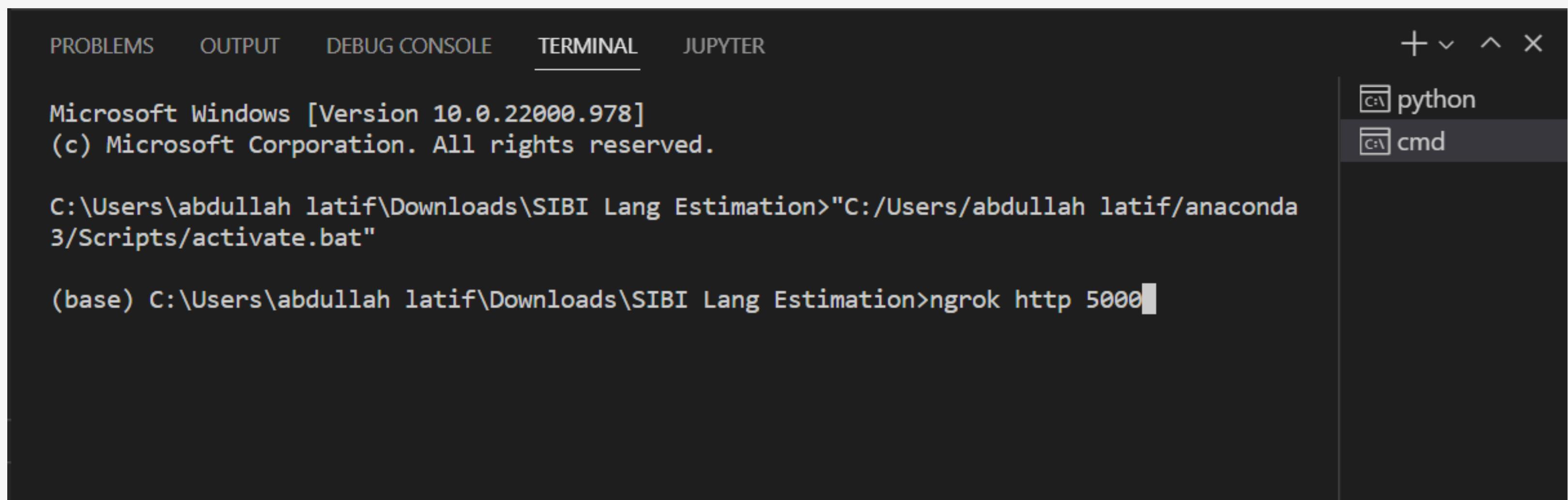
A screenshot of a terminal window from a code editor. The window has tabs for PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL (which is selected), and JUPYTER. The terminal content shows the output of a Flask application start command:

```
* 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: 102-924-972
```

The port number `5000` is highlighted with a blue rectangle.

STEP 10

Buka terminal baru di Visual Studio Code kemudian Jalankan Ngrok pada terminal baru menggunakan `ngrok http <port>`



The screenshot shows a dark-themed terminal window in Visual Studio Code. At the top, there are tabs for PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL (which is underlined), and JUPYTER. To the right of the tabs is a small dropdown menu with icons for '+' (New Terminal), 'v' (Previous Tab), '^' (Next Tab), and 'X' (Close). Below the tabs, the terminal output shows:

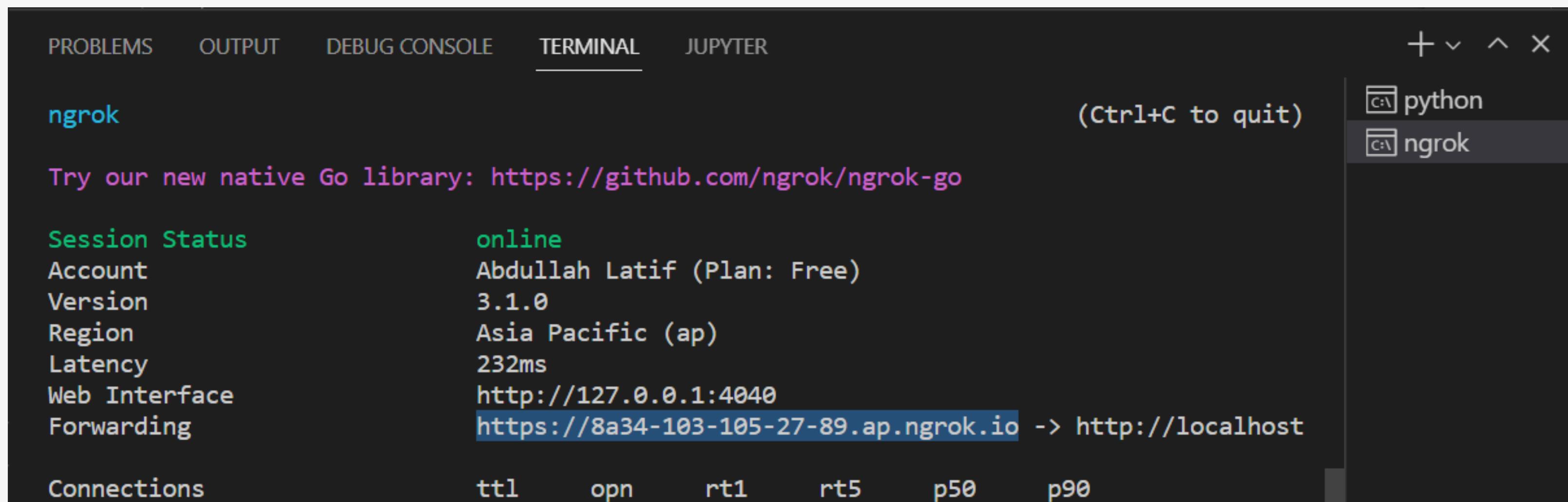
```
Microsoft Windows [Version 10.0.22000.978]
(c) Microsoft Corporation. All rights reserved.

C:\Users\abdullah latif\Downloads\SIBI Lang Estimation>"C:/Users/abdullah latif/anaconda
3/Scripts/activate.bat"

(base) C:\Users\abdullah latif\Downloads\SIBI Lang Estimation>ngrok http 5000
```

STEP 11

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 terminal window with the following content:

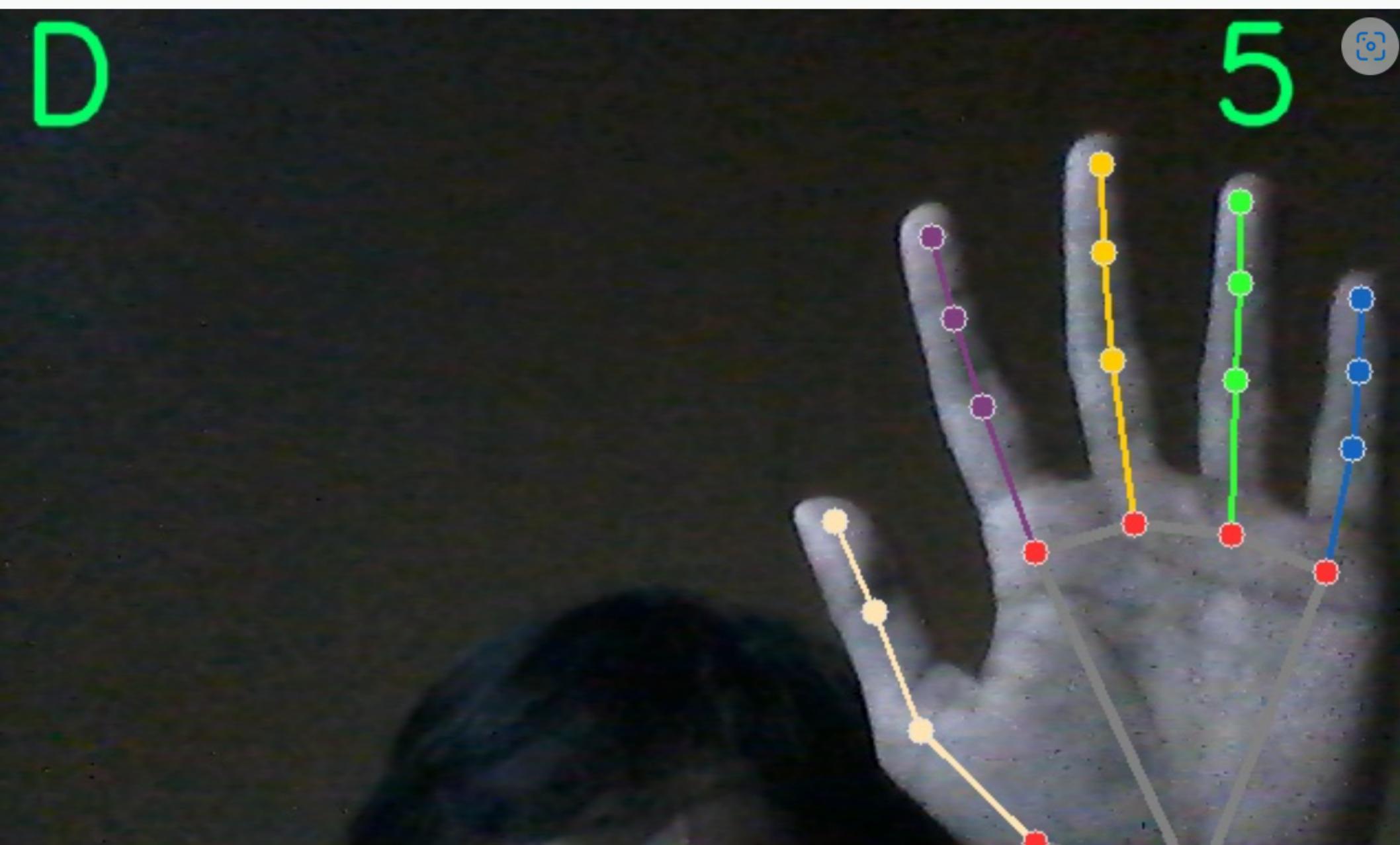
```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER + ▾ ^ X
ngrok (Ctrl+C to quit)
Try our new native Go library: https://github.com/ngrok/ngrok-go

Session Status          online
Account                Abdullah Latif (Plan: Free)
Version                3.1.0
Region                 Asia Pacific (ap)
Latency                232ms
Web Interface          http://127.0.0.1:4040
Forwarding             https://8a34-103-105-27-89.ap.ngrok.io -> http://localhost

Connections            ttl     opn     rt1     rt5     p50     p90
```

The terminal window has tabs for PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL (which is selected), and JUPYTER. A sidebar on the right shows sessions: C:\python and C:\ngrok.

Hasil





Thank You

