



# Deployment Computer Vision Menggunakan Ngrok

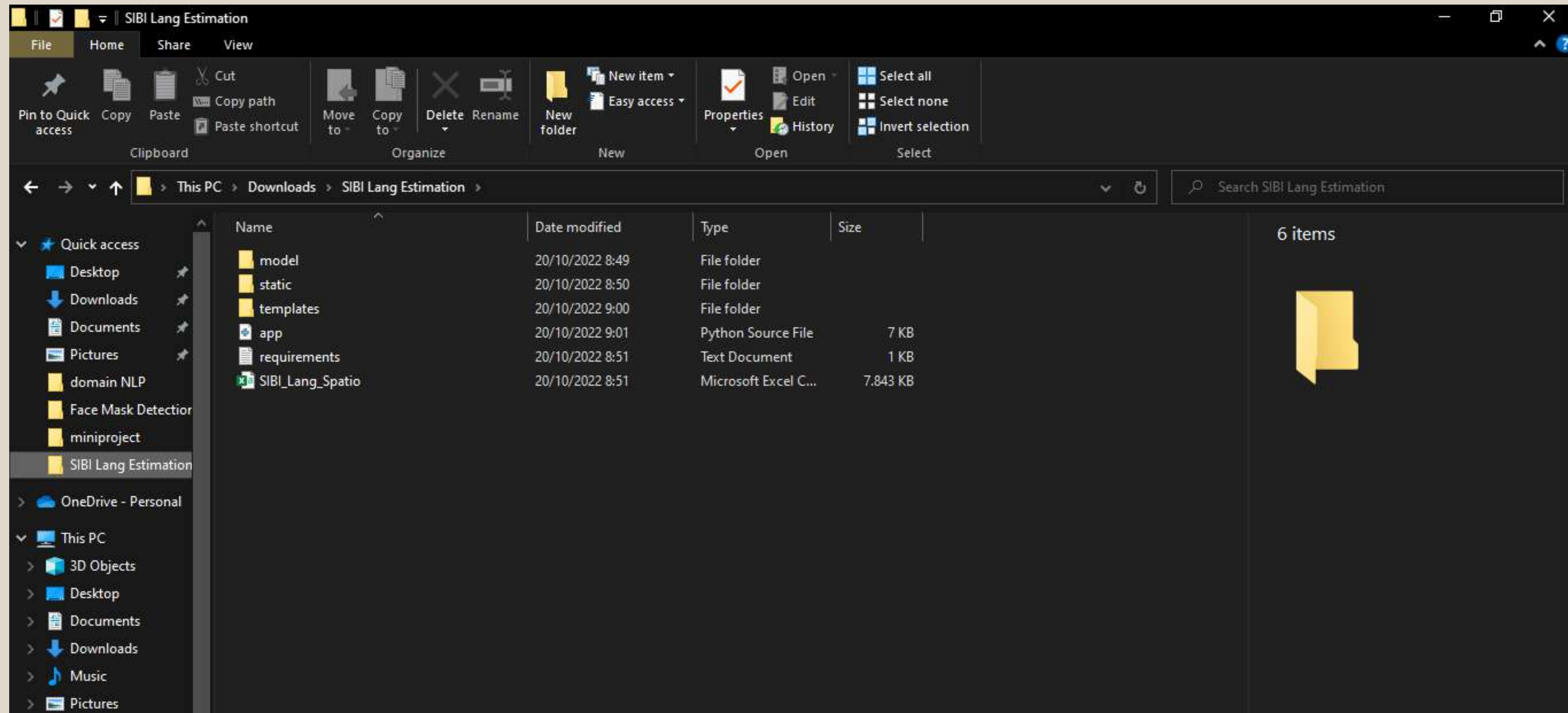
Chilmiatus Saidah - Class JumaTec

# Biodata

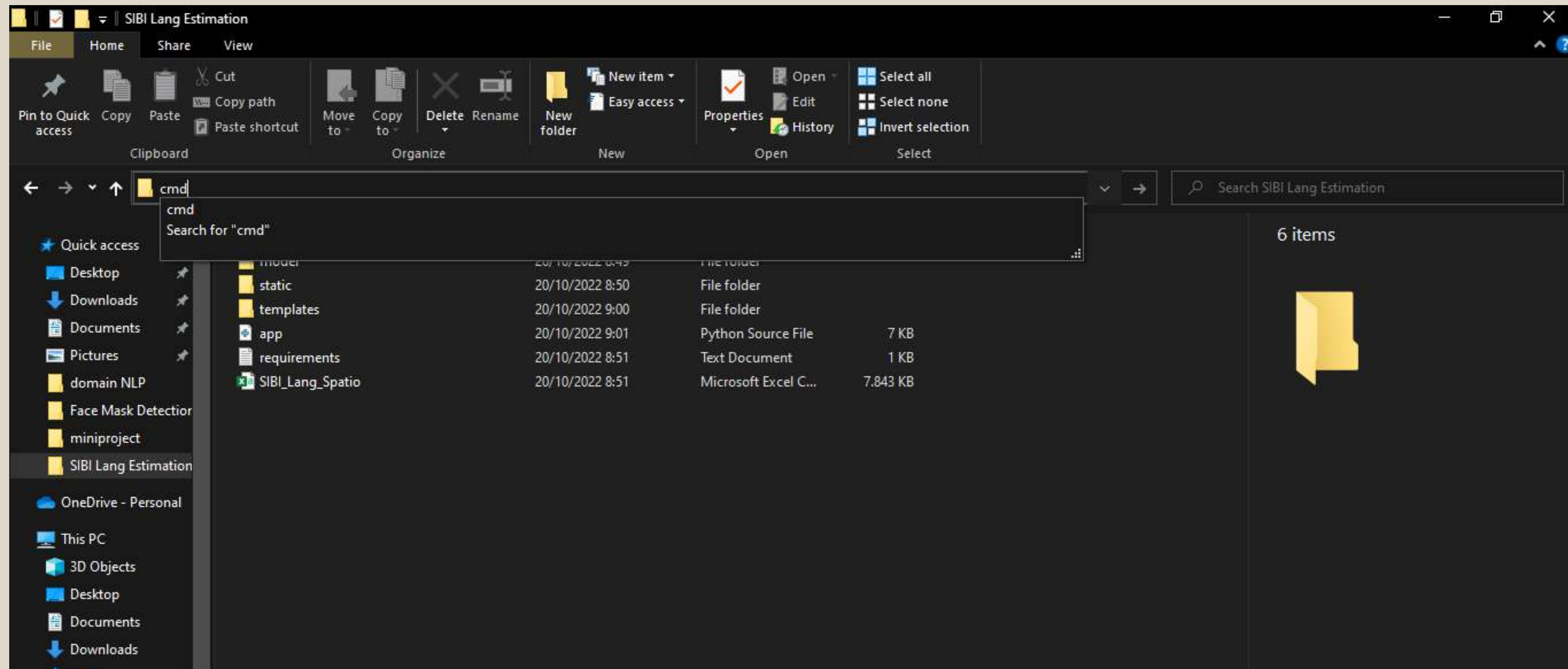


Halo!! saya Chilmiatu Saidah,  
biasa di panggil mia.  
Saya mahasiswa semester 5  
jurusan Administrasi Publik  
Universitas Yudharta Pasuruan.  
Saya memiliki minat pada bidang  
Editing, Data, dan juga IT.

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

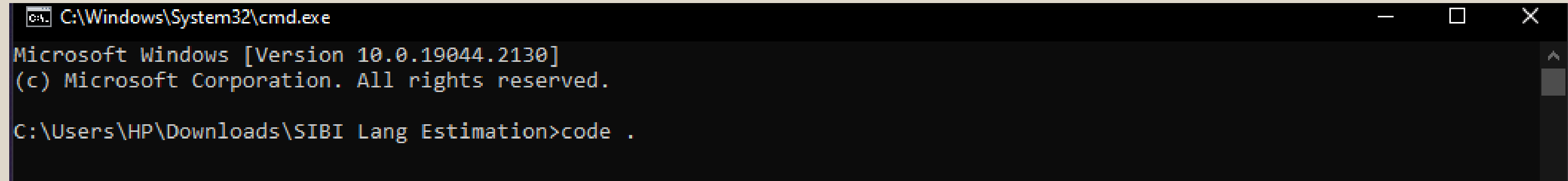


2.) Bagi pengguna windows, buka console dengan cara ketik cmd di tab address kemudian tekan tombol Enter.





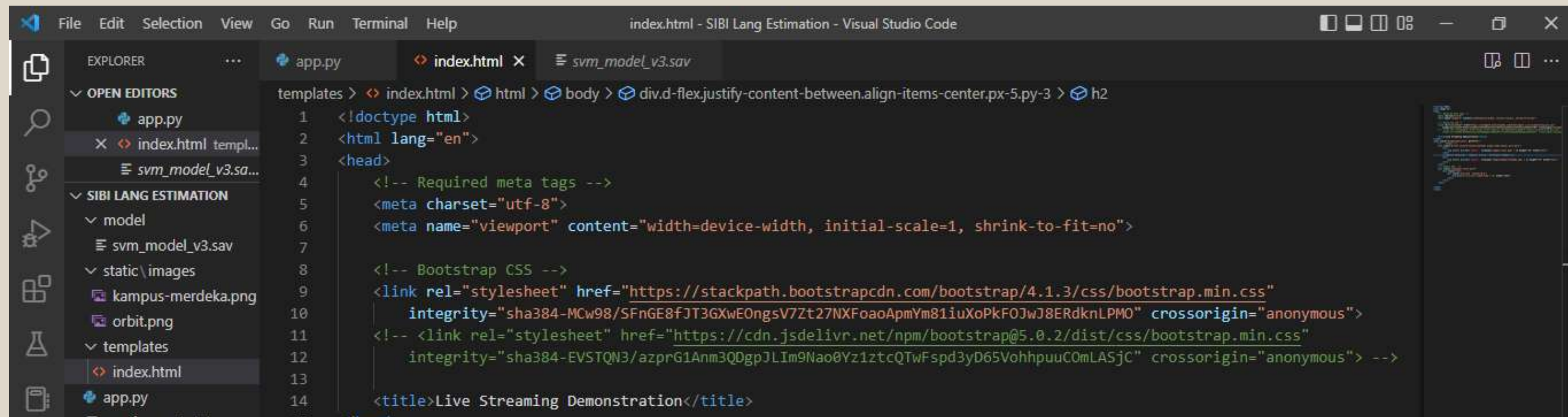
3.) Ketik '**code .**' pada comand prompt, kemudian tekan enter



```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19044.2130]
(c) Microsoft Corporation. All rights reserved.

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

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 'SIBI LANG ESTIMATION' folder open in the Explorer. The file explorer shows the following structure:

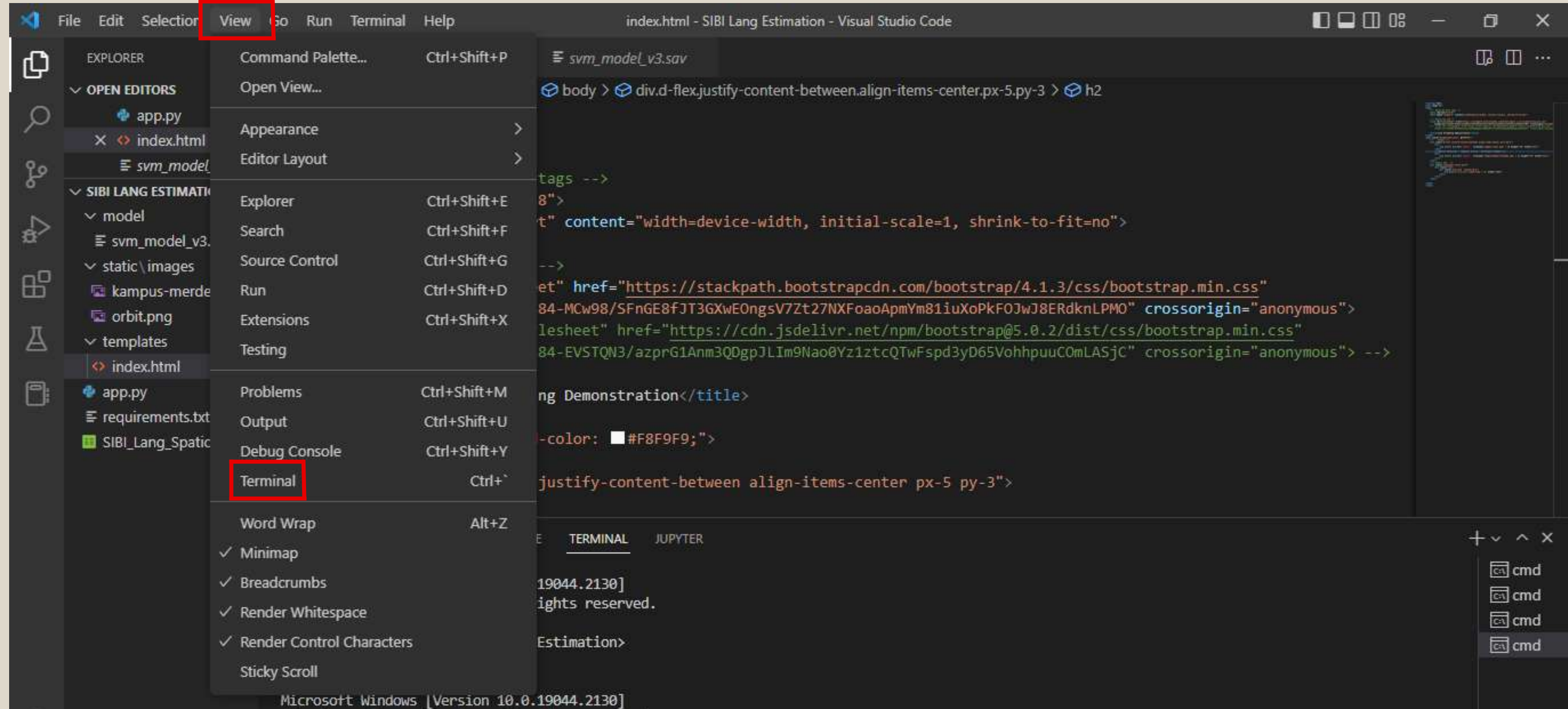
- EXPLORER
  - app.py
  - index.html
  - svm\_model\_v3.sav
  - SIBI LANG ESTIMATION
    - model
      - svm\_model\_v3.sav
    - static\images
      - kampus-merdeka.png
      - orbit.png
    - templates
      - index.html

The main editor shows the content of 'index.html' with the following code:

```
1 <!doctype html>
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=no">
7
8   <!-- Bootstrap CSS -->
9   <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css"
10     integrity="sha384-MCw98/SFnGE8fJT3GXwEOngsV7Zt27NXFoaoApmYm81iuXoPkFOJwJ8ERdknLPMO" crossorigin="anonymous">
11   <!-- <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
12     integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTWFSpd3yD65VohhpuuCOmLASjC" crossorigin="anonymous"> -->
13
14   <title>Live Streaming Demonstration</title>
15 </head>
```



## 4.) Buka terminal di Visual Studio Code





## 5.) Setelah itu, terminal akan muncul pada bagian bawah Visual Studio Code

The screenshot shows the Visual Studio Code interface with a project named "SIBI Lang Estimation". The Explorer sidebar on the left shows the file structure, including a "templates" folder containing "index.html". The main editor area displays the content of "index.html", which is an HTML file using Bootstrap 4.1.3. The file includes meta tags for charset and viewport, and links to Bootstrap CSS. The terminal window at the bottom shows the command prompt with the current directory set to "C:\Users\HP\Downloads\SIBI Lang Estimation".

```
File Edit Selection View Go Run Terminal Help
index.html - SIBI Lang Estimation - Visual Studio Code

EXPLORER
  OPEN EDITORS
    app.py
    index.html templ...
    svm_model_v3.sa...
  SIBI LANG ESTIMATION
    model
      svm_model_v3.sav
    static\images
      kampus-merdeka.png
      orbit.png
    templates
      index.html
  app.py
  requirements.txt
  SIBI_Lang_Spatio.csv

templates > index.html > html > body > div.d-flex.justify-content-between.align-items-center.px-5.py-3 > h2
1 <!doctype html>
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=no">
7
8   <!-- Bootstrap CSS -->
9   <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css"
10     integrity="sha384-MCw98/SFnGE8fJT3GXwEOngsV7Zt27NXFoaoApmYm81iuXoPkFOJwJ8ERdknLPMO" crossorigin="anonymous">
11   <!-- <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
12     integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztccQTWfspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous"> -->
13
14   <title>Live Streaming Demonstration</title>
15 </head>
16 <body style="background-color: #F8F9F9;">
17   <!-- Header -->
18   <div class="d-flex justify-content-between align-items-center px-5 py-3">
19     <div>
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

Microsoft Windows [Version 10.0.19044.2130]  
(c) Microsoft Corporation. All rights reserved.

C:\Users\HP\Downloads\SIBI Lang Estimation>C:/Users/HP/anaconda3/Scripts/activate.bat

(base) C:\Users\HP\Downloads\SIBI Lang Estimation>



6.) Setelah environment untuk SIBI Lang Estimation aktif, selanjutnya jalankan program dengan ketik python app.py

```
File Edit Selection View Go Run Terminal Help
index.html - SIBI Lang Estimation - Visual Studio Code

EXPLORER
OPEN EDITORS
  app.py
  index.html templ...
  svm_model_v3.sa...
SIBI LANG ESTIMATION
  model
    svm_model_v3.sav
  static\images
    kampus-merdeka.png
    orbit.png
  templates
    index.html
  app.py
  requirements.txt
  SIBI_Lang_Spatio.csv

templates > index.html > html > body > div.d-flex.justify-content-between.align-items-center.px-5.py-3 > h2
1 <!doctype html>
2 <html lang="en">
3 <head>
4   <!-- Required meta tags -->
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6   <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
7
8   <!-- Bootstrap CSS -->
9   <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css"
10     integrity="sha384-MCw98/SFnGE8fJT3GXwEOngsV7Zt27NXFoaoApmYm81iuXoPkFOJwJ8ERdknLPMO" crossorigin="anonymous">
11   <!-- <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
12     integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous"> -->
13
14   <title>Live Streaming Demonstration</title>
15 </head>
16 <body style="background-color: #F8F9F9;">
17   <!-- Header -->
18   <div class="d-flex justify-content-between align-items-center px-5 py-3">
19     <div>
```

```
Microsoft Windows [Version 10.0.19044.2130]
(c) Microsoft Corporation. All rights reserved.

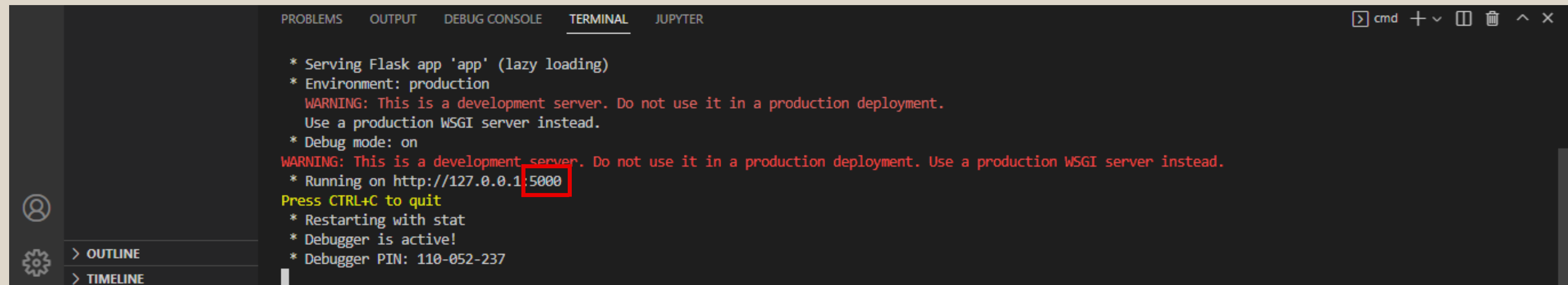
C:\Users\HP\Downloads\SIBI Lang Estimation>C:/Users/HP/anaconda3/Scripts/activate.bat

(base) C:\Users\HP\Downloads\SIBI Lang Estimation>conda activate cv

(cv) C:\Users\HP\Downloads\SIBI Lang Estimation>python app.py
```



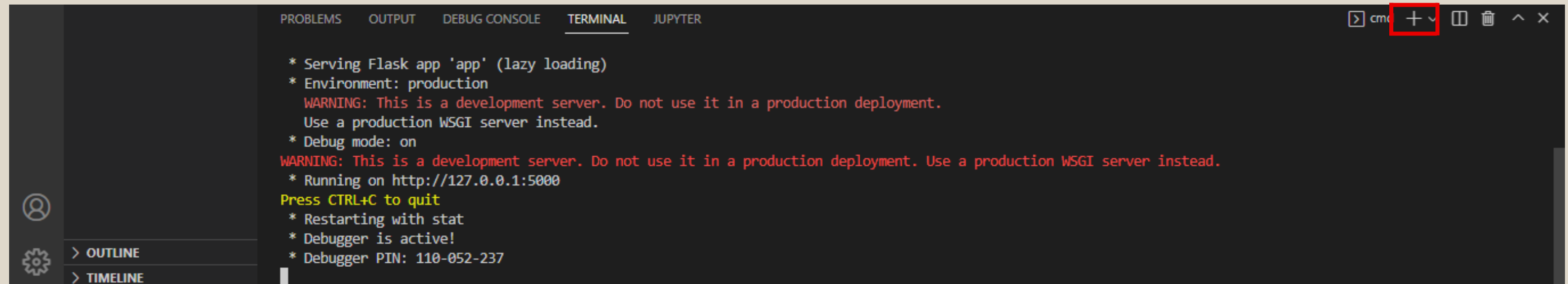
7.) Perhatikan port aplikasi SIBI Lang Estimation yang muncul pada terminal. Port ini nantinya akan kita ekspos ke publik menggunakan Ngrok.



```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
> cmd + v [ ] [ ] ^ x

* 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
```

Buka terminal baru di Visual Studio Code, kita pilih terminal cmd



```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
> cmd + v [ ] [ ] ^ x

* 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
```

8.) Jalankan Ngrok pada terminal baru, dengan menuliskan **ngrok http <port>**

```
Microsoft Windows [Version 10.0.19044.2130]
(c) Microsoft Corporation. All rights reserved.

C:\Users\HP\Downloads\SIBI Lang Estimation>C:/Users/HP/anaconda3/Scripts/activate.bat

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

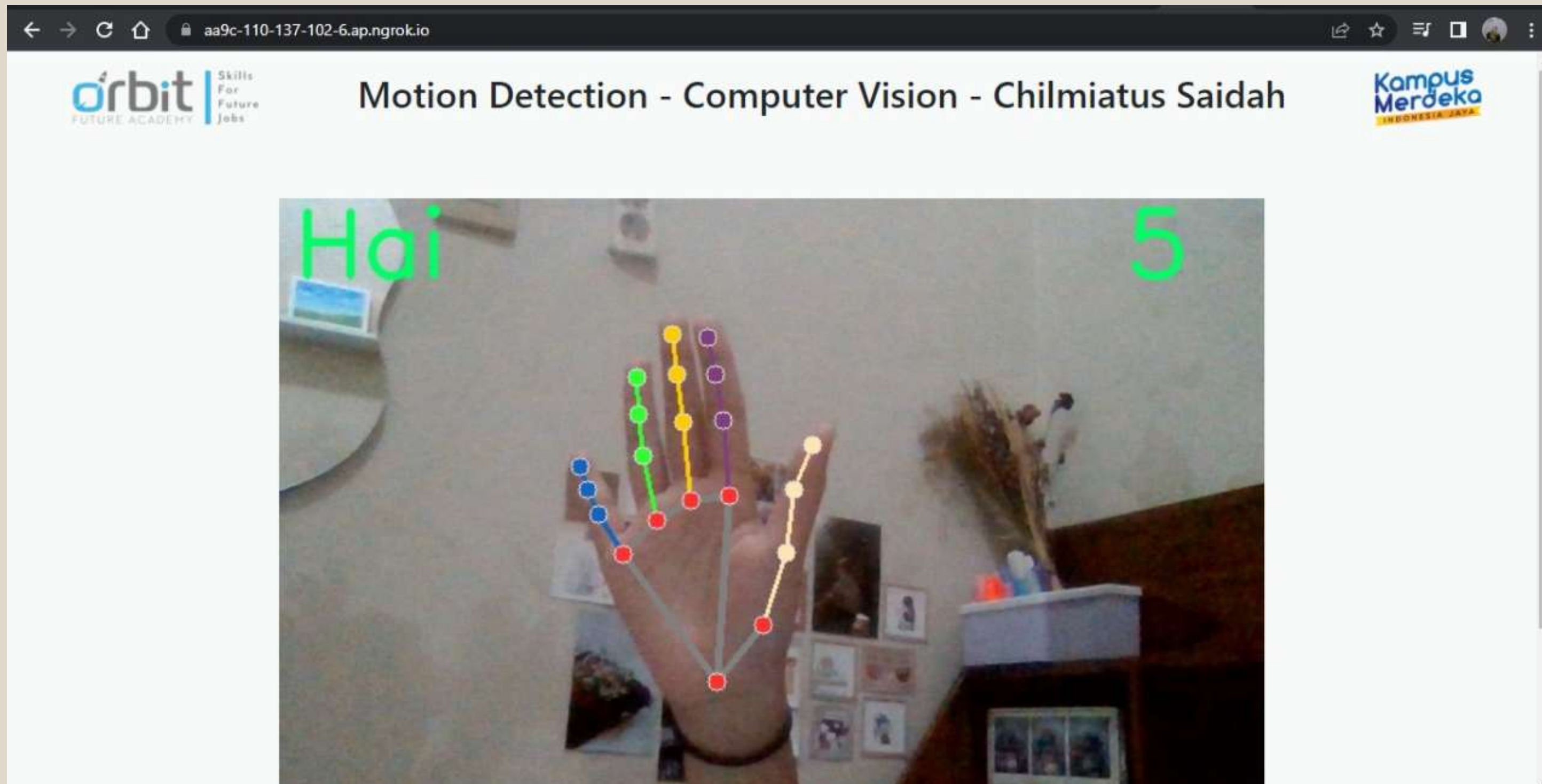
Ngrok kemudian akan men-generate link localhost kita via internet. User lain bisa menggunakan link tersebut untuk mengakses aplikasi SIBI Lang Estimation meskipun aplikasi tersebut ada di localhost.

```
ngrok                                     (Ctrl+C to quit)

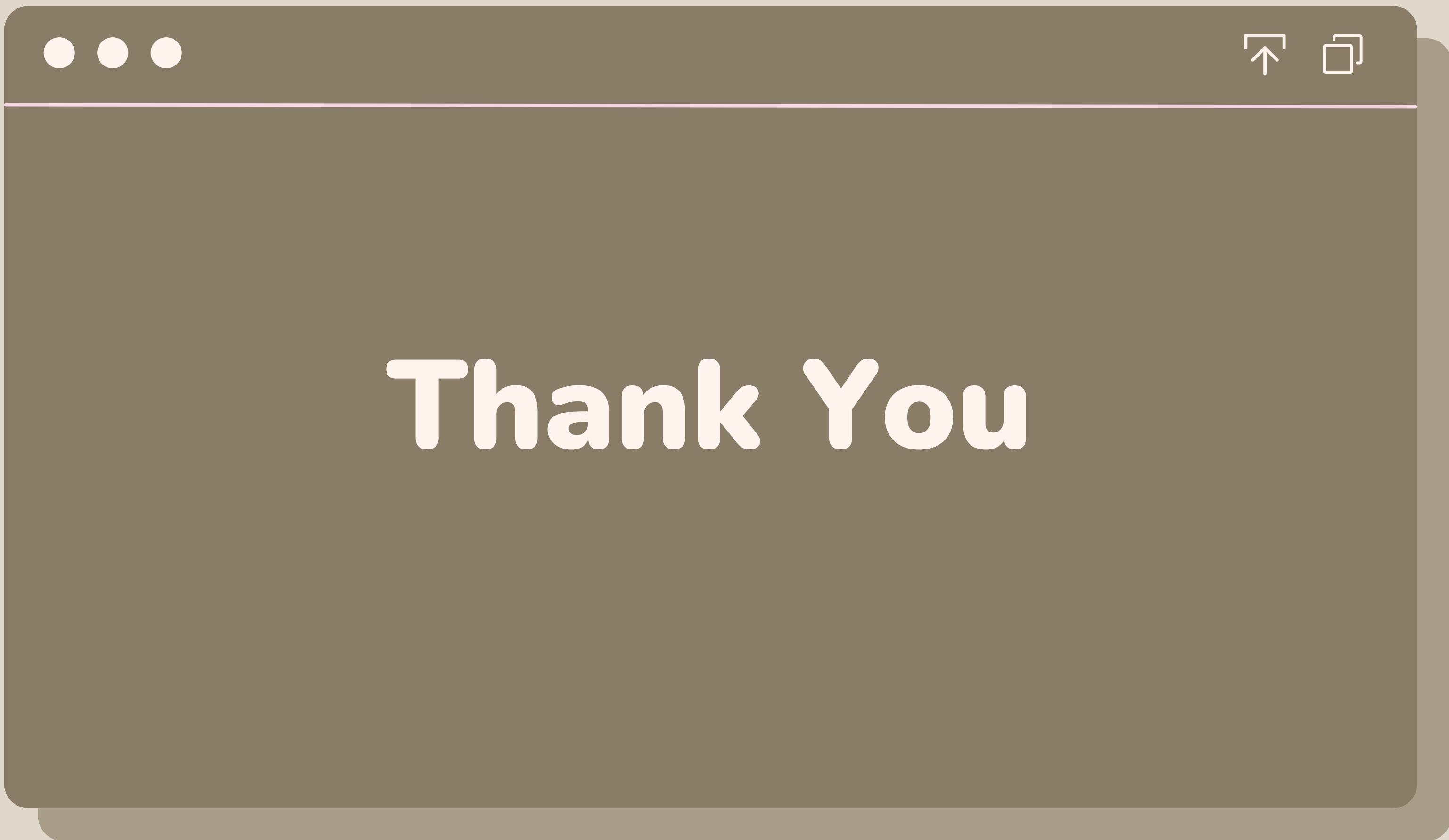
Try our new native Go library: https://github.com/ngrok/ngrok-go

Session Status      online
Account             chilmi03@gmail.com (Plan: Free)
Version             3.1.0
Region              Asia Pacific (ap)
Latency              27ms
Web Interface        http://127.0.0.1:4040
Forwarding            https://aa9c-110-137-102-6.ap.ngrok.io -> http://localhost:5000
```

9.) Berikut tampilan SIBI Lang Estimation saat dijalankan







**Thank You**

