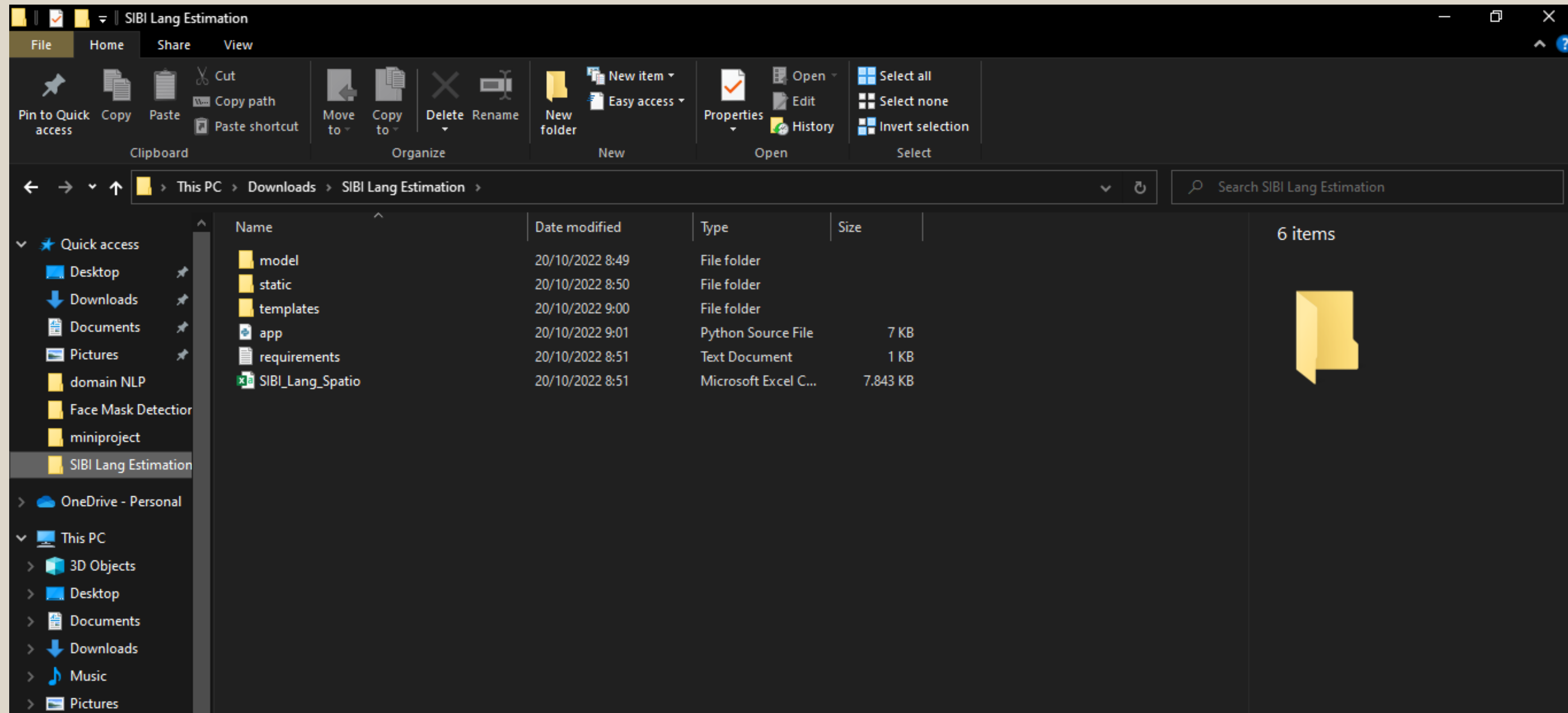


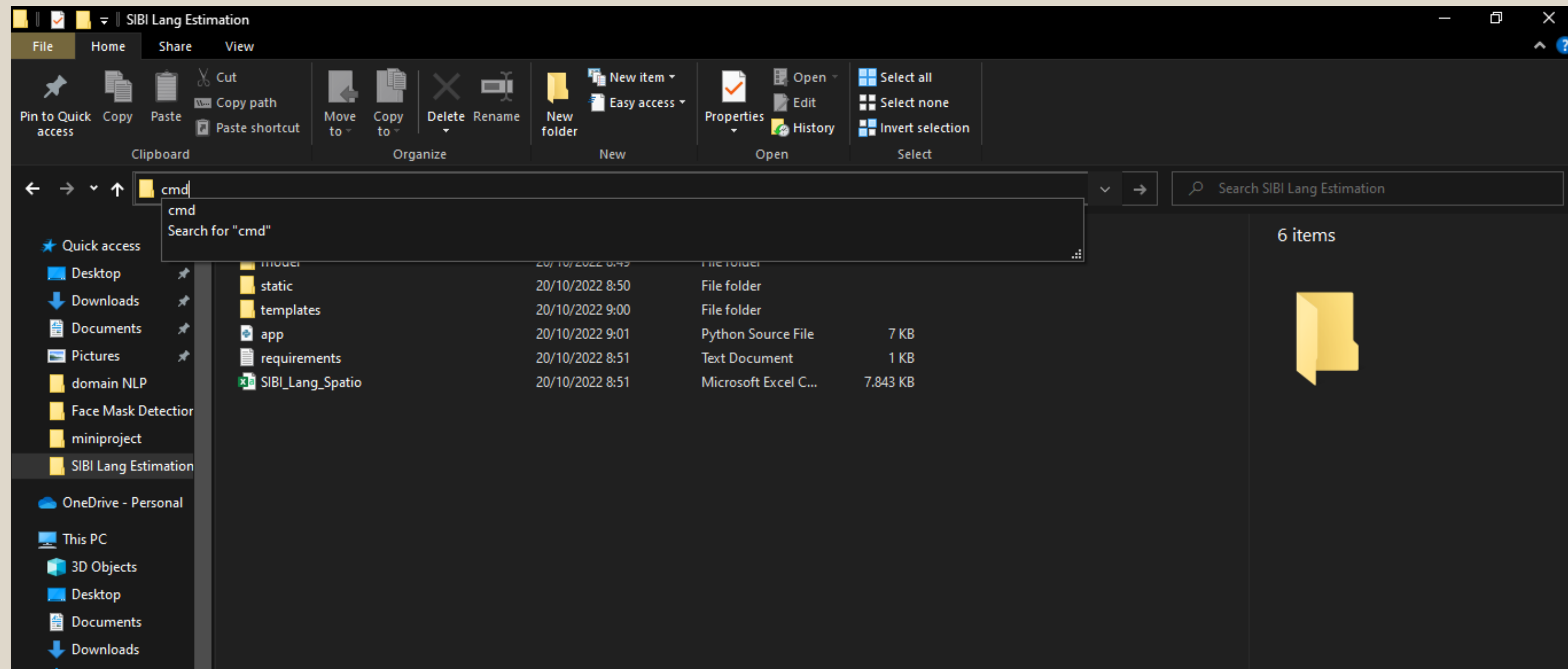
# Deployment Computer Vision Menggunakan Ngrok

Chilmiatus Saidah - Class JumaTec

## 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.

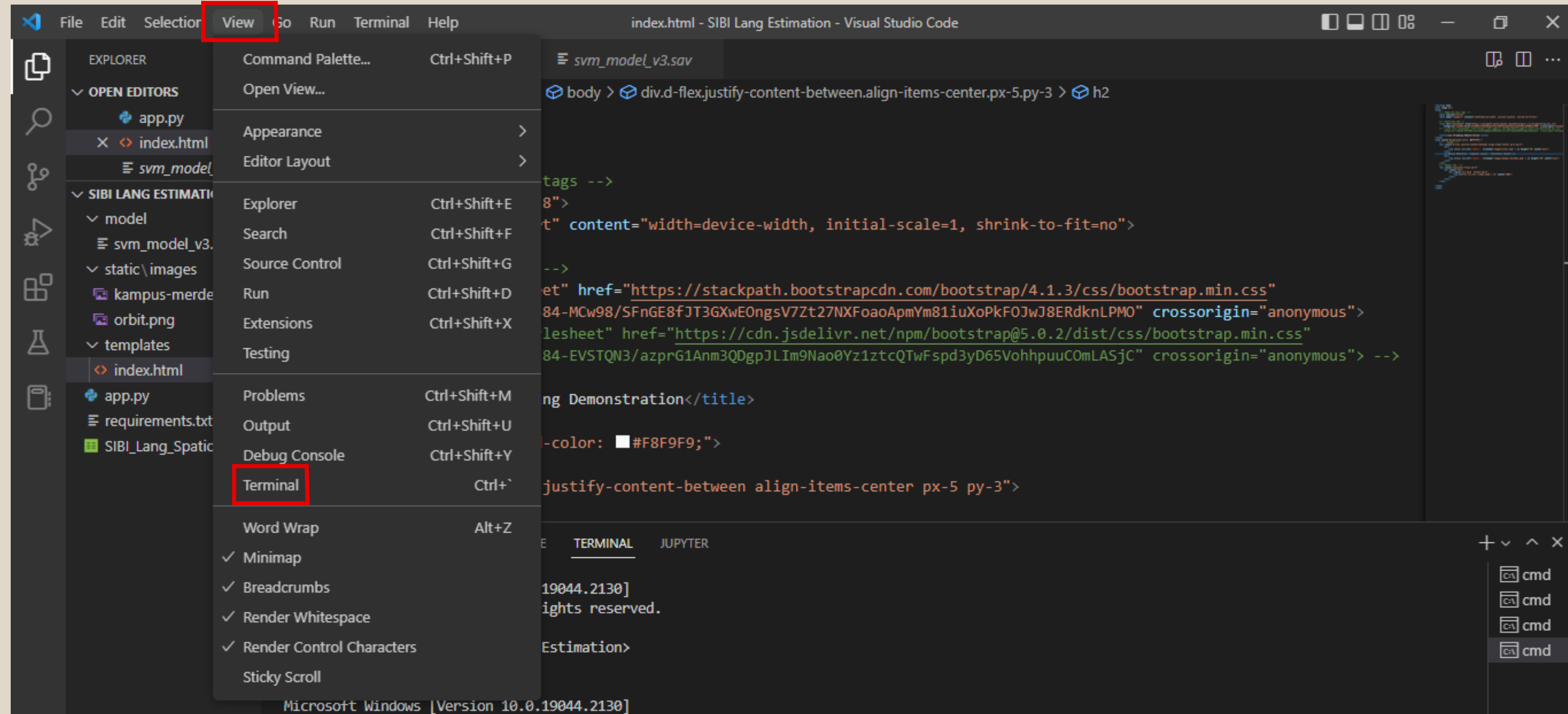
```
File Edit Selection View Go Run Terminal Help
index.html - SIBI Lang Estimation - Visual Studio Code

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

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/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

```
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
cmd + v [icon] [icon] [icon] [icon]

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 -->
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>
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 + - [ ] [ ] ^ 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 + - [ ] [ ] ^ 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
```

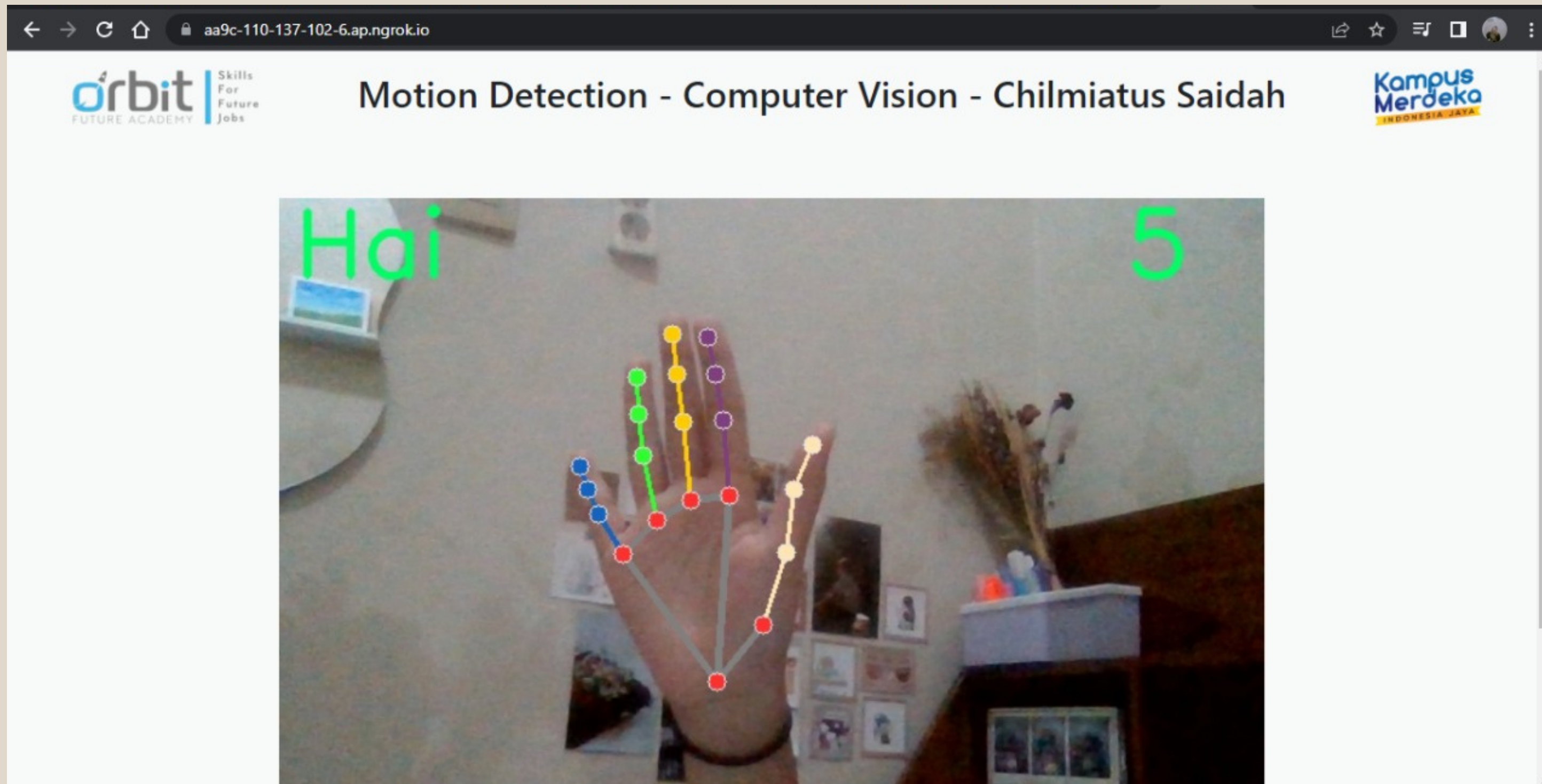
Ngrok kemudian akan men-generate link localhost kita via internet. User lain bisa menggunakan link tersebut untuk mengakses aplikasi SIBI Lang Estimation meskipun aplikasi tersebut ada di localhost.

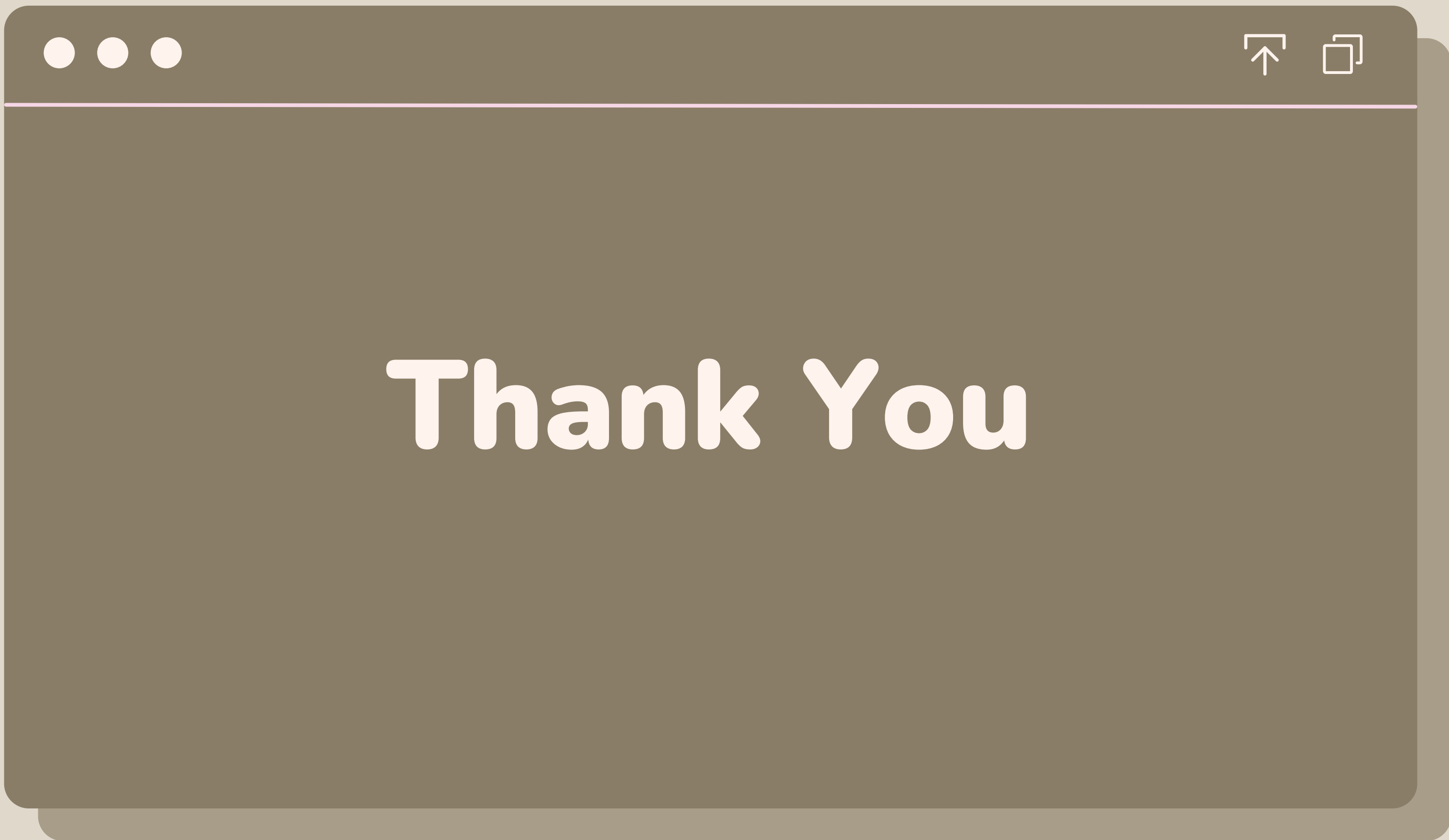
```
ngrok                                     (Ctrl+C to quit)

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**

