

Step 1: installing in VS CODE TERMINAL by commands

```
(.venv) PS C:\Users\User\Desktop\Flask> pip install numpy
```

Collecting numpy

Downloading numpy-1.23.4-cp311-cp311-win_amd64.whl (14.6 MB)

----- 14.6/14.6 MB 1.6 MB/s eta 0:00:00

Installing collected packages: numpy

Successfully installed numpy-1.23.4

```
(.venv) PS C:\Users\User\Desktop\Flask> pip install cv
```

Collecting cv

Downloading cv-1.0.0-py3-none-any.whl (7.3 kB)

Installing collected packages: cv

Successfully installed cv-1.0.0

```
(.venv) PS C:\Users\User\Desktop\Flask> pip install keras
```

Collecting keras

Downloading keras-2.11.0-py2.py3-none-any.whl (1.7 MB)

----- 1.7/1.7 MB 1.6 MB/s eta 0:00:00

Installing collected packages: keras

Successfully installed keras-2.11.0

```
(.venv) PS C:\Users\User\Desktop\Flask> pip install gtts
```

Collecting gtts

Downloading gTTS-2.2.4-py3-none-any.whl (26 kB)

Collecting six

Downloading six-1.16.0-py2.py3-none-any.whl (11 kB)

Requirement already satisfied: click in c:\users\user\desktop\flask\.venv\lib\site-packages (from gtts) (8.1.3)

Collecting requests

Downloading requests-2.28.1-py3-none-any.whl (62 kB)

----- 62.8/62.8 kB 565.6 kB/s eta 0:00:00

Requirement already satisfied: colorama in c:\users\user\desktop\flask\.venv\lib\site-packages (from click->gtts) (0.4.6)

Collecting charset-normalizer<3,>=2

Downloading charset_normalizer-2.1.1-py3-none-any.whl (39 kB)

Collecting idna<4,>=2.5

Downloading idna-3.4-py3-none-any.whl (61 kB)

----- 61.5/61.5 kB 1.1 MB/s eta 0:00:00

Collecting urllib3<1.27,>=1.21.1

Downloading urllib3-1.26.12-py2.py3-none-any.whl (140 kB)

----- 140.4/140.4 kB 923.0 kB/s eta 0:00:00

Collecting certifi>=2017.4.17

Downloading certifi-2022.9.24-py3-none-any.whl (161 kB)

----- 161.1/161.1 kB 1.1 MB/s eta 0:00:00

Installing collected packages: urllib3, six, idna, charset-normalizer, certifi, requests, gtts

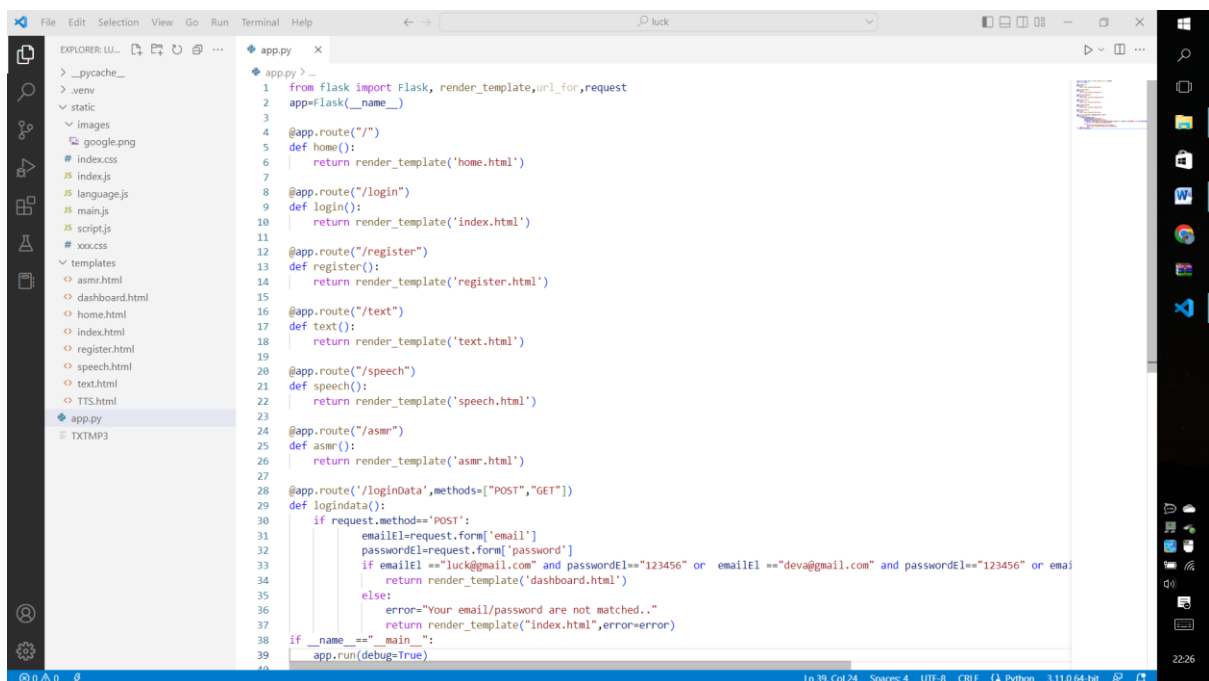
Successfully installed certifi-2022.9.24 charset-normalizer-2.1.1 gtts-2.2.4 idna-3.4 requests-2.28.1 six-1.16.0 urllib3-1.26.12

Importing packages in vs code



```
1 import numpy as np
2 import cv
3 import os
4 from keras.models import load_model
5 from flask import Flask, render_template, Response
6 import tensorflow as tf
7 from gtts import gTTS
8 global graph
9 global writer
10 graph=tf.get_default_graph
11 writer=None
12 model=load_model('as1png.h5')
13 vals= ['A','B','C','D','E','F','G','H','I']
14 app=Flask(__name__)
15 print("ACCESSING VEDIO STREAM")
16 vs=cv.VideoCapture(0)
17 pred=""
18
```

Step 2: initializing flask app configuration



```
1 from flask import Flask, render_template, url_for, request
2 app=Flask(__name__)
3
4 @app.route("/")
5 def home():
6     return render_template('home.html')
7
8 @app.route("/login")
9 def login():
10     return render_template('index.html')
11
12 @app.route("/register")
13 def register():
14     return render_template('register.html')
15
16 @app.route("/text")
17 def text():
18     return render_template('text.html')
19
20 @app.route("/speech")
21 def speech():
22     return render_template('speech.html')
23
24 @app.route("/asmr")
25 def asmr():
26     return render_template('asmr.html')
27
28 @app.route('/loginData', methods=['POST', 'GET'])
29 def loginData():
30     if request.method=="POST":
31         emailEl=request.form['email']
32         passwordEl=request.form['password']
33         if emailEl=="luck@gmail.com" and passwordEl=="123456" or emailEl=="deva@gmail.com" and passwordEl=="123456" or emailEl=="deva@gmail.com" and passwordEl=="123456" or emailEl=="deva@gmail.com" and passwordEl=="123456":
34             return render_template('dashboard.html')
35         else:
36             error="Your email/password are not matched.."
37             return render_template("index.html",error=error)
38 if __name__=="__main__":
39     app.run(debug=True)
```

STEP 3: flask app configuration run



```
run Run a development server.
shell Run a shell in the app context.
(.venv) PS C:\Users\User\Desktop\luck> python flask run
C:\Program Files\Python311\python.exe: can't open file 'c:\Users\User\Desktop\luck\flask': [Errno 2] No such file or directory
(.venv) PS C:\Users\User\Desktop\luck> python -m flask run
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
```

