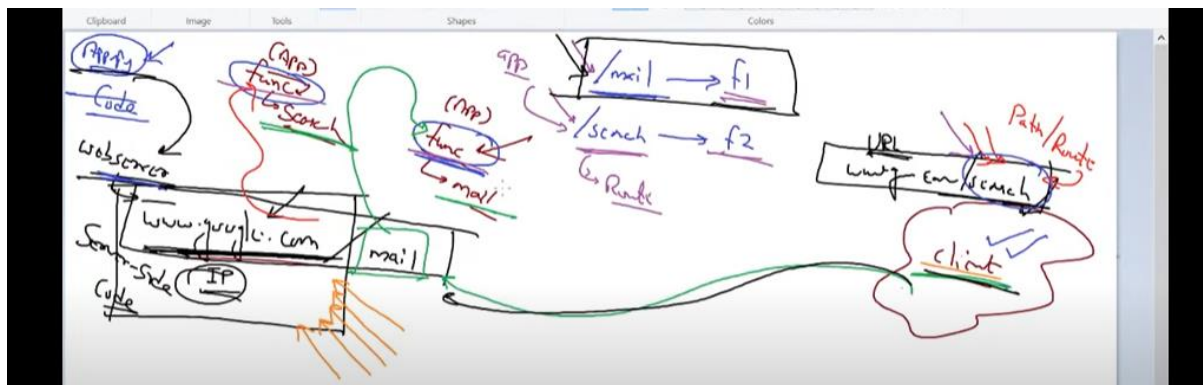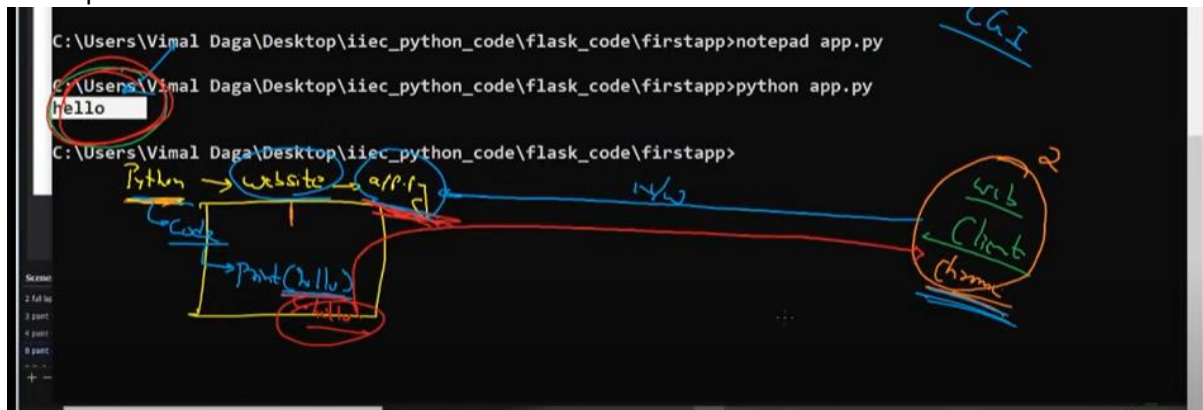Aim:

-> @ comes from python known as decorator -> helps in calling the function

-> run html code - use return statement.

-> printing system commands In CLI and Web GUI
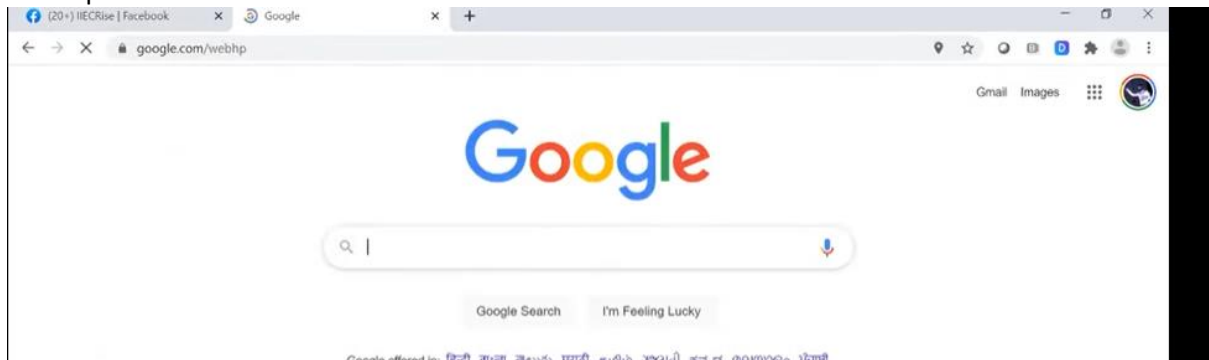
-> templates folder

-

Create as much as route in one app. this features requires code but is inbuilt in flask. it comes with unbuilt webserver and gives url to test and check,

- flask run : by def, it runs the app.py file
- o

Aim:
-> @ comes from python known as decorator -> helps in calling the function
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--

WHAT ?

```
    app = locate_app(self, import_name, None, raise_if_not_found=False)
  File "C:\Users\Romio_juliete\anaconda3\lib\site-packages\flask\cli.py", line 240, in locate_app
    __import__(module_name)
  File "C:\Users\Romio_juliete\Desktop\iiec_pyhton_code\flask\firstapp\app.py", line 5, in <module>
    app = Flask()
TypeError: __init__() missing 1 required positional argument: 'import_name'
```

need to pass the constructor,

```
#creating a new object and this object is my site.
app = Flask("techy exploring flask")

#makng  fucntions to perform the diff functionalities.
```

--

Aim:

-> @ comes from python known as decorator -> helps in calling the function

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c2.

```python
from flask import Flask  # import Flask class from module:flask


#creating a new object and this object is my site.
app = Flask("techy exploring flask")

#makng  fucntions to perform the diff functionalities.


def myhello():
 print("flask")

@app.route("/search")  # this comes from flask
def mysearch():
 print("search...")


# @ comes from pyhton known as decorator -> helps in calling the function
@app.route("/email")  # this comes from flask known as Route ,
def myemail():
 print("email....")
```
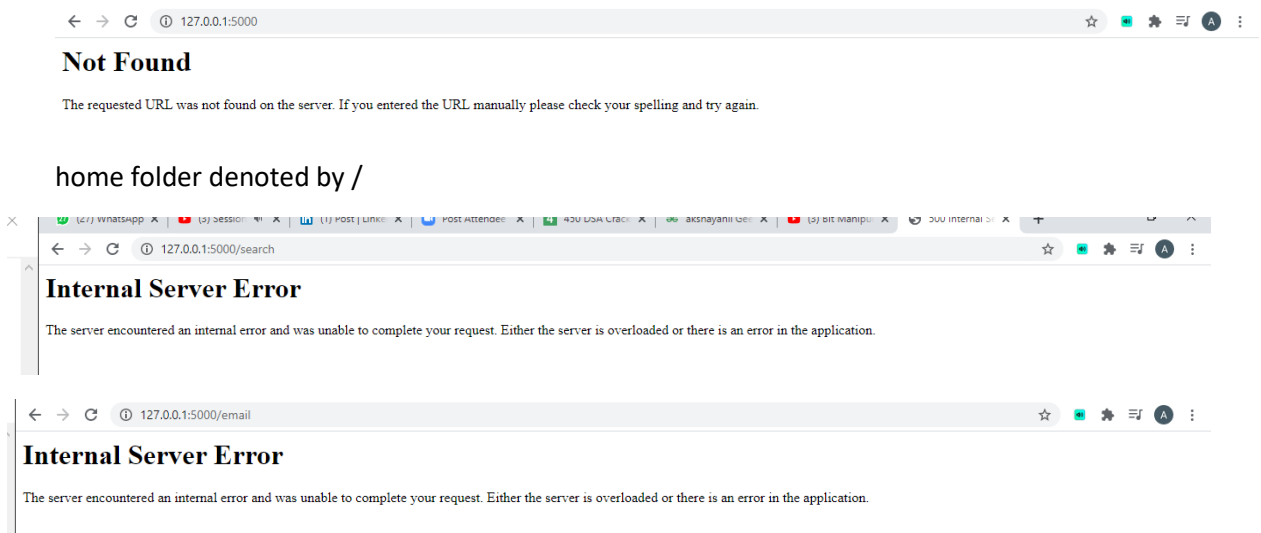
```
C:\Users\Romio_juliete\Desktop\iiec_pyhton_code\flask\firstapp>flask run
 * Environment: production
   WARNING: This is a development server. Do not use it in a production deployment.
   Use a production WSGI server instead.
 * Debug mode: off
 * Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```

■ gives the url to check.

127.0.0.1:5000

Not Found

The requested URL was not found on the server. If you entered the URL manually please check your spelling and try again.

home folder denoted by /

127.0.0.1:5000/search

Internal Server Error

The server encountered an internal error and was unable to complete your request. Either the server is overloaded or there is an error in the application.

127.0.0.1:5000/email

Internal Server Error

The server encountered an internal error and was unable to complete your request. Either the server is overloaded or there is an error in the application.

Why?

print : it prints in CLI; it does not work over the network.

Aim:
-> @ comes from python known as decorator -> helps in calling the function
-> run html code - use return statement.
-> printing system commands In CLI and Web GUI
-> templates folder
c3

```
File   Edit   Format   View   Help
from flask import Flask  # import Flask class from module:flask


#creating a new object and this object is my site.
app = Flask("techy exploring flask")

#makng  fucntions to perform the diff functionalities.


def myhello():
 print("flask")

@app.route("/search")  # this comes from flask
def mysearch():
 return("search...")


# @ comes from pyhton known as decorator -> helps in calling the function
@app.route("/email")  # this comes from flask known as Route ,
def myemail():
 return("email....")
```
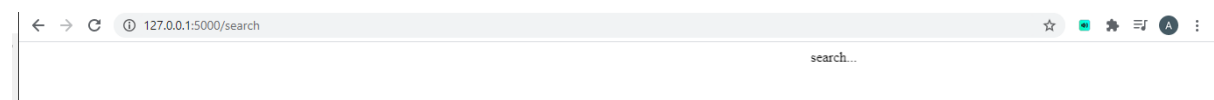
```
C:\Users\Romio_juliete\Desktop\iiec_pyhton_code\flask\firstapp>flask run
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: off
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```

← → C ① 127.0.0.1:5000/email

email....

← → C ① 127.0.0.1:5000/search

search...

```
C:\Users\Romio_juliete\Desktop\iiec_pyhton_code\flask\firstapp>flask run
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: off
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
127.0.0.1 - - [07/Mar/2021 20:04:57] "[37mGET /email HTTP/1.1[0m" 200 -
127.0.0.1 - - [07/Mar/2021 20:05:17] "[37mGET /search HTTP/1.1[0m" 200 -
```

■   pure static website we made and tested

Aim:

-> @ comes from python known as decorator -> helps in calling the function

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-> printing system commands In CLI and Web GUI

-> templates folder

<mark>How to run html code...use in return statement.</mark>

- ■ edit
- ■ restart the flask

C3

```
from flask import Flask  # import Flask class from module:flask


#creating a new object and this object is my site.
app = Flask("techy exploring flask")

#makng  fucntions to perform the diff functionalities.


def myhello():
 print("flask")

@app.route("/search")  # this comes from flask
def mysearch():
 return("<marquee>search...</marquee>")


# @ comes from pyhton known as decorator -> helps in calling the function
@app.route("/email")  # this comes from flask known as Route ,
def myemail():
 return("<b>email....</b>")
```
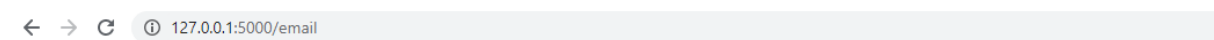
```
C:\Users\Romio_juliete\Desktop\iiec_pyhton_code\flask\firstapp>flask run
 * Environment: production
   WARNING: This is a development server. Do not use it in a production deployment.
   Use a production WSGI server instead.
 * Debug mode: off
 * Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```

← → C	① 127.0.0.1:5000/search	☆ ■ ★ ≡ꟻ Ⓐ ⋮

search...

moving from right to left

← → C	① 127.0.0.1:5000/email

email....

How to print in CLI

just add print statement

```
@app.route("/search")  # this comes from flask
def mysearch():
 print(" u are on search route ")   # print in CLI
 return("<marquee>search...</marquee>")  # print in Web GUI.
```

Aim:

-> @ comes from python known as decorator -> helps in calling the function

-> run html code - use return statement.

-> printing system commands In CLI and Web GUI

-> templates folder

```
C:\Users\Romio_juliete\Desktop\iiec_pyhton_code\flask\firstapp>flask run
 * Environment: production
   WARNING: This is a development server. Do not use it in a production deployment.
   Use a production WSGI server instead.
 * Debug mode: off
 * Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
  u are on mail route
127.0.0.1 - - [07/Mar/2021 20:17:05] "▢[37mGET /email HTTP/1.1▢[0m" 200 -
```

➔ Printing system commands

```
127.0.0.1 - - [07/Mar/2021 20:21:19] "GET /search HTTP/1.1" 200 -
07-03-2021
 u are on search route
127.0.0.1 - - [07/Mar/2021 20:21:20] "GET /search HTTP/1.1" 200 -
```

```
def mysearch():
  data = os.system("date /t")
  print(" u are on search route ")    # print in CLI
  return("<marquee>search...</marquee>")  # print in Web GUI.
```

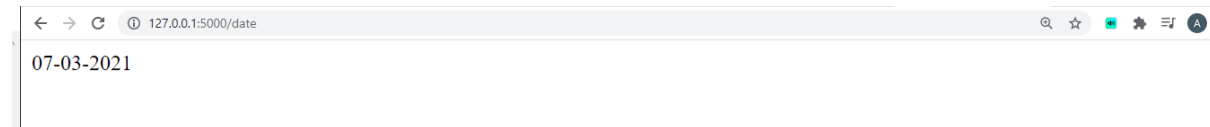to return to GUI data we have to use subprocess..

■ import subprocess

@app.route("/date")

def currdate():

 data1 = subprocess.getoutput("date /t")

 return(data1)

```
←  →  C   ①  127.0.0.1:5000/date

07-03-2021
```

--

-> templates folder

■ create a template folder
■ make one html file say s.html
■ import rander_template : from flask import Flask, render_template
■ return render_template("s.html")

```
C:\Users\Romio_juliete\Desktop\iiec_pyhton_code\flask\firstapp>mkdir templates

C:\Users\Romio_juliete\Desktop\iiec_pyhton_code\flask\firstapp>cd templates

C:\Users\Romio_juliete\Desktop\iiec_pyhton_code\flask\firstapp\templates>notepad s.html

C:\Users\Romio_juliete\Desktop\iiec_pyhton_code\flask\firstapp\templates>
```
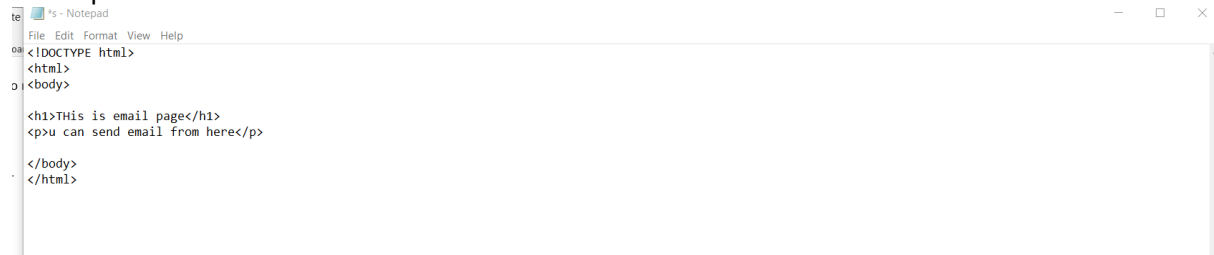
Aim:

-> @ comes from python known as decorator -> helps in calling the function
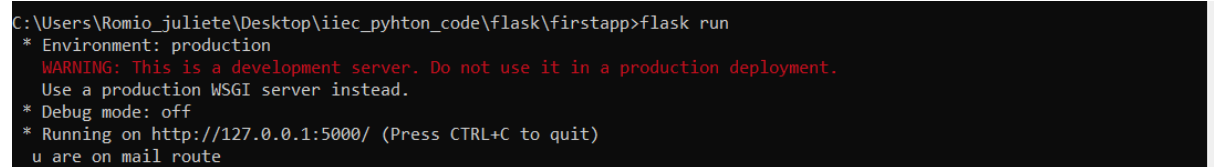
-> run html code - use return statement.
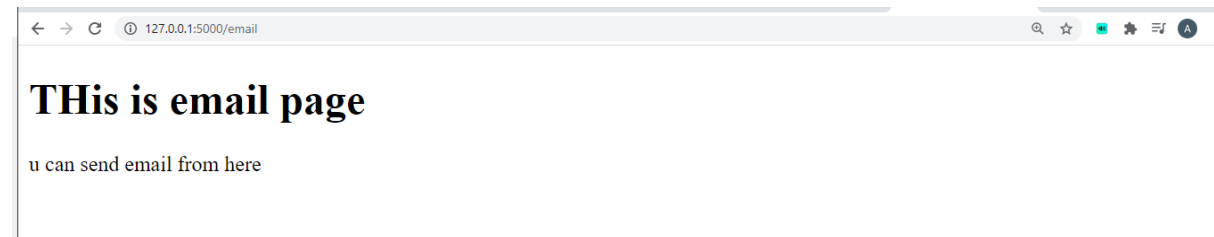
-> printing system commands In CLI and Web GUI

-> templates folder

```
*s - Notepad
File  Edit  Format  View  Help
<!DOCTYPE html>
<html>
<body>

<h1>THis is email page</h1>
<p>u can send email from here</p>

</body>
</html>
```

```
C:\Users\Romio_juliete\Desktop\iiec_pyhton_code\flask\firstapp>flask run
 * Environment: production
   WARNING: This is a development server. Do not use it in a production deployment.
   Use a production WSGI server instead.
 * Debug mode: off
 * Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
  u are on mail route
```

127.0.0.1:5000/email

THis is email page

u can send email from here

---

take input from the client – dynamic   - next