

Assignment-3

Create an API to collect data from URL(API server).

Procedure:

Step-1:

Create a folder in the respective drive. In that folder create a file naming as “app.py”.

Step-2:

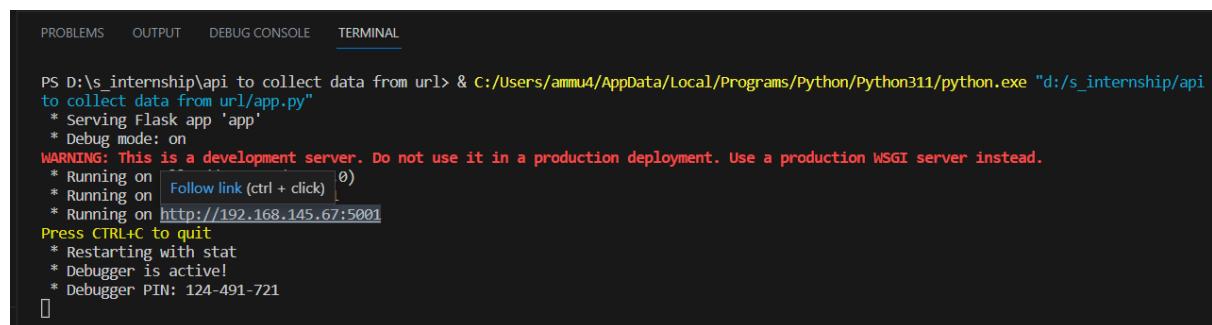
Create a python script to create an API to collect data from the url.

```
from flask import Flask,request

api=Flask(__name__)
@api.route('/')
def home():
    return ('API server is online,you can call APIs')
@api.route('/message',methods=['GET'])
def message():
    name=request.args.get('name')
    rollno=request.args.get('rollno')
    print(name,rollno)
    return('Name is {0},Roll no is {1}'.format(name,rollno))
if(__name__=="__main__"):
    api.run(host='0.0.0.0',port=5001,debug=True)
```

Run the code in the terminal.

Step-3:



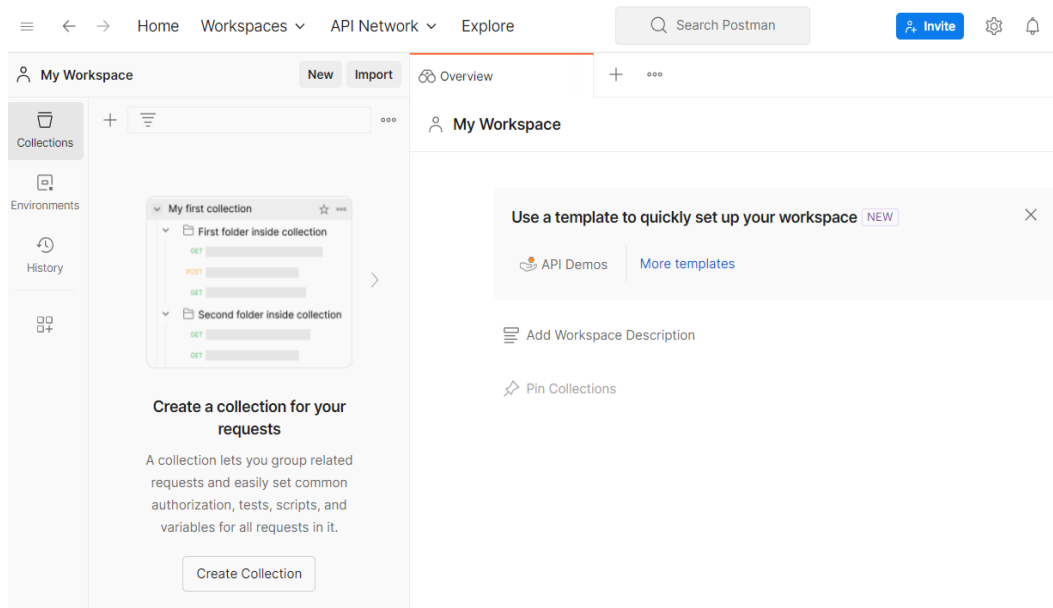
```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL
PS D:\s_internship\api to collect data from url> & C:/Users/ammu4/AppData/Local/Programs/Python/Python311/python.exe "d:/s_internship/api
to collect data from url/app.py"
* Serving Flask app 'app'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5001
* Running on http://192.168.145.67:5001
Follow link (ctrl + click)
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 124-491-721
```

Copy the server link.

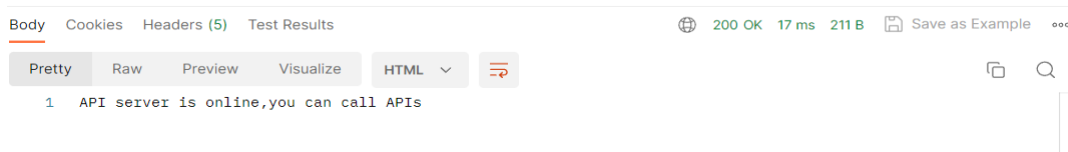
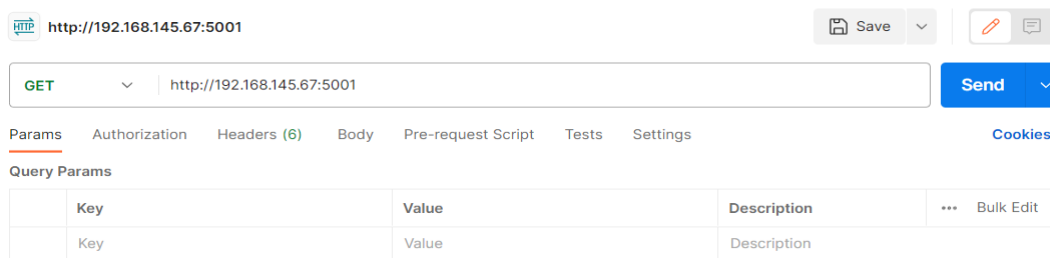
Step-3:

Open the postman tool app .

And, click on the “+” symbol



Now ,paste the server link.And press on the send button.



We can see the output that the “API server is online,you can call APIs”.

Now call the “/message” handler And enter key: value pairs ,and then click on the send button.

Overview GET http://192.168.145.67:5 No Environment

HTTP http://192.168.145.67:5001/message?name=Ammu&rollno=38 Save Send

GET http://192.168.145.67:5001/message?name=Ammu&rollno=38

Params Auth Headers (6) Body Pre-req. Tests Settings Cookies

Query Params

	Key	Value	Description	...	Bulk Edit
<input checked="" type="checkbox"/>	name	Ammu			
<input checked="" type="checkbox"/>	rollno	38			
	Key	Value	Description		

Body 200 OK 12 ms 199 B Save as Example

Pretty Raw Preview Visualize HTML

```
1 Name is Ammu,Roll no is 38
```

At the same time we can see the reponse from the server side also.

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
to collect data from url/app.py"
* Serving Flask app 'app'
* 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 all addresses (0.0.0.0)
* Running on http://127.0.0.1:5001
* Running on http://192.168.145.67:5001
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 124-491-721
192.168.145.67 - - [30/May/2023 15:42:44] "GET / HTTP/1.1" 200 -
Ammu 38
192.168.145.67 - - [30/May/2023 15:46:16] "GET /message?name=Ammu&rollno=38 HTTP/1.1" 200 -
[]
```