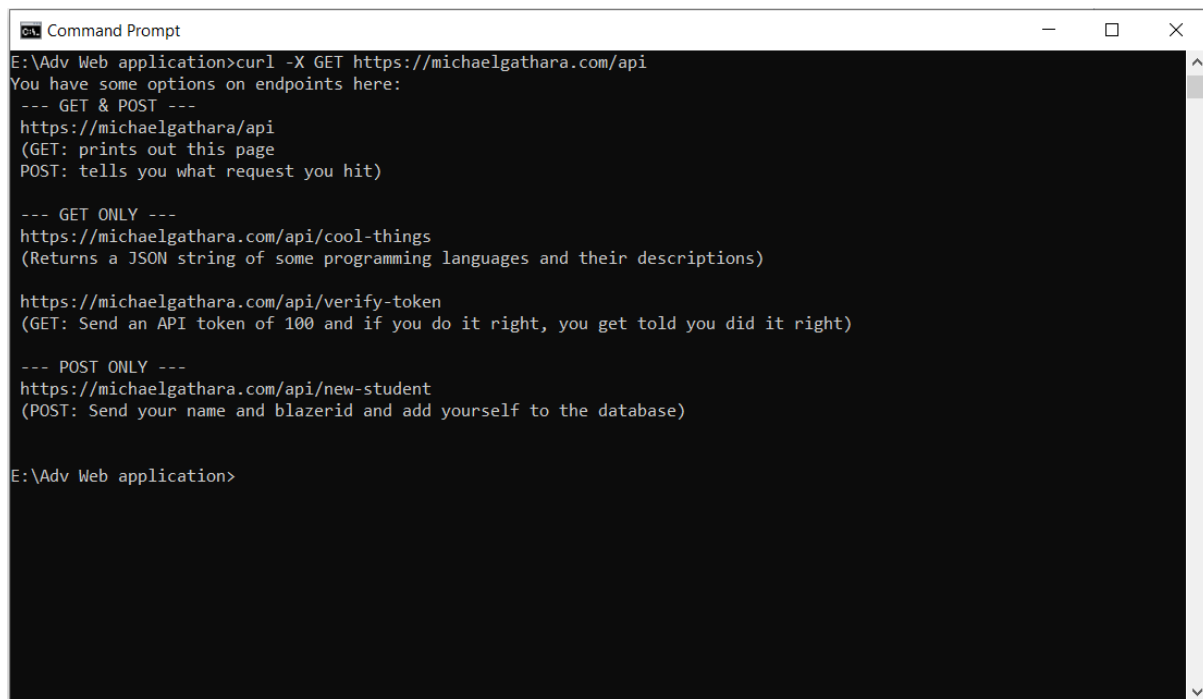


Making a GET call to get the list of API endpoints.



```
Command Prompt
E:\Adv Web application>curl -X GET https://michaelgathara.com/api
You have some options on endpoints here:
--- GET & POST ---
https://michaelgathara.com/api
(GET: prints out this page
POST: tells you what request you hit)

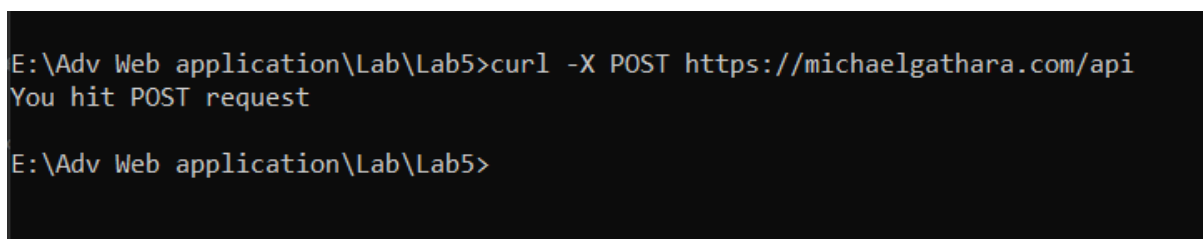
--- GET ONLY ---
https://michaelgathara.com/api/cool-things
(Returns a JSON string of some programming languages and their descriptions)

https://michaelgathara.com/api/verify-token
(GET: Send an API token of 100 and if you do it right, you get told you did it right)

--- POST ONLY ---
https://michaelgathara.com/api/new-student
(POST: Send your name and blazerid and add yourself to the database)

E:\Adv Web application>
```

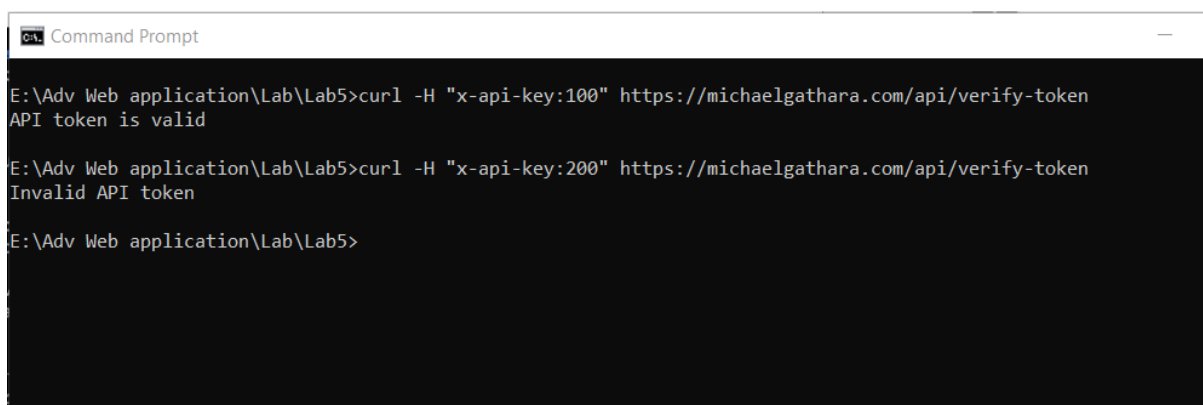
Image of the POST call to show it hit the POST request.



```
E:\Adv Web application\Lab\Lab5>curl -X POST https://michaelgathara.com/api
You hit POST request

E:\Adv Web application\Lab\Lab5>
```

Passing tokens to check if it is a valid token or not.



```
Command Prompt
E:\Adv Web application\Lab\Lab5>curl -H "x-api-key:100" https://michaelgathara.com/api/verify-token
API token is valid

E:\Adv Web application\Lab\Lab5>curl -H "x-api-key:200" https://michaelgathara.com/api/verify-token
Invalid API token

E:\Adv Web application\Lab\Lab5>
```

Making a cool-things end point API call.

```
Command Prompt

E:\Adv Web application\Lab\Lab5>curl -X GET https://michaelgathara.com/api/cool-things
{"coolThings":[{"id":1,"name":"Python","description":"A versatile high-level programming language."},{
{"id":2,"name":"JavaScript","description":"A popular language for web development."},{
{"id":3,"name":"Machine Learning","description":"A field of artificial intelligence focused on building systems that learn from data."}]}
E:\Adv Web application\Lab\Lab5>
```

Adding the name and blazerId using the POST call.

```
Command Prompt

Or use WSL
E:\Adv Web application\Lab\Lab5>curl -X POST -H "Content-Type:application/json" -d{"name":"Vijeth venkatesha","blazerid":"vvenkate"} https://michaelgathara.com/api/new-student
You created a new record: {"name":"Vijeth venkatesha","blazerid":"vvenkate","id":2}

E:\Adv Web application\Lab\Lab5>
```

## Exercise 2 Screenshot

```
File Edit Selection View Go Run Terminal Help Lab5.py - Lab5 - Visual Studio Code

EXPLORER
LAB5
  assignment_5.docx U
  Lab5.py U
  output.png U
  vvenkate exercise2.JPG U

Lab5.py
1 import requests
2 import json
3
4 url = "https://michaelgathara.com/api/python-challenge"
5
6 response = requests.get(url)
7
8 challenges =response.json()
9 # print(challenges)
10 print("name - Vijeth venkatesha \nBlazerID - vvenkate")
11 for i in challenges:
12     solved= eval(i['problem'].replace("?", ""))
13     print(i['problem'].replace("?", ""), "=", solved)
14
15

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

PS E:\Adv Web application\Lab\Lab5> python Lab5.py
name - Vijeth venkatesha
BlazerID - vvenkate
3 + 5 = 8
7 * 6 = 42
20 / 5 = 4.0
20 / 4 = 5.0
15 - 7 = 8
9 * 9 = 81
27 / 9 = 3.0
100 - 56 = 44
14 + 26 = 40
64 / 8 = 8.0
PS E:\Adv Web application\Lab\Lab5>
```