

Get

```
hac@DESKTOP-B6R0D7G:~$ 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)
```

Post

```
hac@DESKTOP-B6R0D7G:~/CS_621/myrepo_621/Lab5$ curl -X POST https://michaelgathara.com/api
You hit POST request
```

Name

```
hac@DESKTOP-B6R0D7G:~$ curl -X POST -H "Content-Type:application/json" -d'{"name":"Hamid Choucha","blazerid":"hamidc"}' https://michaelgathara.com/api/new-student
You created a new record: {"name":"Hamid Choucha","blazerid":"hamidc","id":2}
hac@DESKTOP-B6R0D7G:~$
```

API

```
hac@DESKTOP-B6R0D7G:~$ curl -H "x-api-key:100" https://michaelgathara.com/api/verify-token
API token is valid
hac@DESKTOP-B6R0D7G:~$
```

Failed api

```
hac@DESKTOP-B6R0D7G:~$ curl -H "x-api-key:0" https://michaelgathara.com/api/verify-token
Invalid API token
```

Easter egg

```
hac@DESKTOP-B6R0D7G:~$ curl -X POST https://michaelgathara.com/api/python-challenge

Congratulations on finding this easter egg, a brave one you are.
If you want to use this, solve the challenges needed by GET-ing this same URL. POST to this URL using the following format

[{'id': THE ID FOR THE QUESTION, 'answer': YOUR ANSWER HERE FOR THIS ID}].

Put what you get back as a PNG for Bonus Points (5 points). Also shoot mikegr@uab.edu an email

In lines of code, worlds come alive,
Syntax and logic, a language to thrive.
Programmers weave their digital art,
Crafting dreams with a programmer's heart.
```

Answers to Exercise 2

```
hac@DESKTOP-B6R0D7G:~/CS_621/myrepo_621/Lab5$ python3 Exercise_2.py
```

```
The answer to problem 1 = 8  
The answer to problem 2 = 42  
The answer to problem 3 = 4.0  
The answer to problem 4 = 5.0  
The answer to problem 5 = 8  
The answer to problem 6 = 81  
The answer to problem 7 = 3.0  
The answer to problem 8 = 44  
The answer to problem 9 = 40  
The answer to problem 10 = 8.0
```