

LinkedIn: [Kelvin Kimotho](#)

## Blame Game



Easy

General Skills

picoCTF 2024

browser\_webshell\_solvable

git

AUTHOR: JEFFERY JOHN

### Description

Someone's commits seems to be preventing the program from working. Who is it?

You can download the challenge files here:

- [challenge.zip](#)

### Hints ?

1

2

3

You can use `python3` `<file>.py` to try running the code, though you won't need to for this challenge.

### Solution

I started by downloading the challenge file from the provided URL using `wget` a command line tool. Once the download was complete, I checked my current directory to confirm that the `challenge.zip` file was present using the `ls` command.

```
(kali@kali)~/Desktop
$ wget https://artifacts.picoctf.net/c_titan/72/challenge.zip
--2025-02-22 15:02:07-- https://artifacts.picoctf.net/c_titan/72/challenge.zip
Resolving artifacts.picoctf.net (artifacts.picoctf.net) ... 52.84.102.28, 2600:9000:2054:8600:16:5ec5:2840:93a1
Connecting to artifacts.picoctf.net (artifacts.picoctf.net)|52.84.102.28|:443 ... connected.
HTTP request sent, awaiting response... 200 OK
Length: 295390 (288K) [application/octet-stream]
Saving to: 'challenge.zip'

challenge.zip          100%[=====>] 288.47K  388KB/s  in 0.7s
2025-02-22 15:02:08 (388 KB/s) - 'challenge.zip' saved [295390/295390]

(kali@kali)~/Desktop
$ ls
challenge.zip

(kali@kali)~/Desktop
```

I unzipped the downloaded file, which created a directory called `drop-in`. This directory contained several files and folders, including a `message.py` file and a `.git` directory. I changed into the `drop-in` directory using the `cd` command to explore its contents further. Inside, I found the `message.py` file.

```
(kali@kali)-[~/Desktop]
└─$ unzip challenge.zip
Archive: challenge.zip
  creating: drop-in/
  extracting: drop-in/message.py
    creating: drop-in/.git/
    creating: drop-in/.git/branches/
  inflating: drop-in/.git/description
    creating: drop-in/.git/hooks/
  inflating: drop-in/.git/hooks/applypatch-msg.sample
  inflating: drop-in/.git/hooks/commit-msg.sample
  inflating: drop-in/.git/hooks/fsmonitor-watchman.sample
  inflating: drop-in/.git/hooks/post-update.sample
  inflating: drop-in/.git/hooks/pre-applypatch.sample
  inflating: drop-in/.git/hooks/pre-commit.sample
  inflating: drop-in/.git/hooks/pre-merge-commit.sample
  inflating: drop-in/.git/hooks/pre-push.sample
  inflating: drop-in/.git/hooks/pre-rebase.sample
  inflating: drop-in/.git/hooks/pre-receive.sample
  inflating: drop-in/.git/hooks/prepare-commit-msg.sample
  inflating: drop-in/.git/logs/
  inflating: drop-in/.git/logs/HEAD
    creating: drop-in/.git/logs/refs/
    creating: drop-in/.git/logs/refs/heads/
  inflating: drop-in/.git/logs/refs/heads/master

(kali@kali)-[~/Desktop]
└─$ ls
challenge.zip  drop-in

(kali@kali)-[~/Desktop]
└─$ cd drop-in

(kali@kali)-[~/Desktop/drop-in]
└─$ ls
message.py

(kali@kali)-[~/Desktop/drop-in]
```

I opened the `message.py` file to examine its contents. The file contained a print statement that was incomplete.

```
(kali@kali)-[~/Desktop/drop-in]
└─$ cat message.py
print("Hello, World!"

(kali@kali)-[~/Desktop/drop-in]
```

To gather more information about the file and its changes, I checked the commit history for `message.py` by running the “`git log message.py`” command . This revealed two commits, each with associated messages and authors.

```
(kali@kali)-[~/Desktop/drop-in]
└─$ git log message.py
commit 9ae3e1bc67ad0143c611c5f65399b79850d20983
Author: picoCTF{@sk_th3_1nt3rn_b64c4705} <ops@picoctf.com>
Date: Sat Mar 9 21:09:01 2024 +0000
    optimize file size of prod code

commit f3cec26cf7f80f91b5c3d1972f14dd4e9f97ec83
Author: picoCTF <ops@picoctf.com>
Date: Sat Mar 9 21:09:01 2024 +0000
    create top secret project

(kali@kali)-[~/Desktop/drop-in]
└─$
```

The first commit was authored by `picoCTF{@sk_th3_1nt3rn_b64c4705}`, which was the flag i was looking for.