

The first step is to find an account with the username SherlockHolmes, but since this is a pretty common name it's going to be a bit hard.

First, we filter most websites with

sherlock SherlockHolmes --output results.txt

This returns 77 results out of 900 social media platforms checked. Now we want to filter it more, since a lot of platforms don't use case-sensitive, so we make a script:

```
import requests
with open('results.txt', 'r') as file:
    lines = file.readlines()
results = []
for line in lines:
    if 'https://' in line or 'http://' in line:
        url = line.split(' ')[-1].strip()
        try:
            response = requests.get(url)
            count = response.text.count('SherlockHolmes')
            results.append((url, count))
        except requests.exceptions.RequestException as e:
            print(f"Could not access {url}: {e}")
sorted_results = sorted(results, key=lambda x: x[1], reverse=True)
for url, count in sorted_results:
    if count > 0:
        print(f"Found SherlockHolmes {count} times on: {url}")
    else:
        print(f"SherlockHolmes not found on: {url}")
```

We basically try to find SherlockHolmes exactly on all the 77 websites, and sort by the number of occurrences, since there's going to be red herrings:

```
Found SherlockHolmes 90 times on: https://instagram.com/SherlockHolmes
Found SherlockHolmes 37 times on: https://last.fm/user/SherlockHolmes
Found SherlockHolmes 24 times on: https://www.github.com/SherlockHolmes
Found SherlockHolmes 21 times on: https://gitlab.com/SherlockHolmes
Found SherlockHolmes 15 times on: https://bodyspace.bodybuilding.com/SherlockHolmes
Found SherlockHolmes 14 times on: https://giphy.com/SherlockHolmes
Found SherlockHolmes 10 times on: https://slideshare.net/SherlockHolmes
Found SherlockHolmes 9 times on: https://myanimelist.net/profile/SherlockHolmes
Found SherlockHolmes 8 times on: https://flipboard.com/@SherlockHolmes
Found SherlockHolmes 8 times on: https://www.freelancer.com/u/SherlockHolmes
Found SherlockHolmes 7 times on: https://www.producthunt.com/@SherlockHolmes
Found SherlockHolmes 7 times on: https://www.youtube.com/@SherlockHolmes
Found SherlockHolmes 6 times on: https://medium.com/@SherlockHolmes
Found SherlockHolmes 5 times on: https://www.reddit.com/user/SherlockHolmes
```

```
Found SherlockHolmes 4 times on: https://www.myminifactory.com/users/SherlockHolmes
Found SherlockHolmes 4 times on:
https://data.typeracer.com/pit/profile?user=SherlockHolmes
Found SherlockHolmes 3 times on: https://www.9gag.com/u/SherlockHolmes
Found SherlockHolmes 3 times on: https://ask.fm/SherlockHolmes
Found SherlockHolmes 3 times on: https://www.dealabs.com/profile/SherlockHolmes
Found SherlockHolmes 3 times on: https://hackenproof.com/hackers/SherlockHolmes
Found SherlockHolmes 3 times on: https://kick.com/SherlockHolmes
Found SherlockHolmes 3 times on: https://www.shpock.com/shop/SherlockHolmes/items
Found SherlockHolmes 3 times on: https://ultimate-guitar.com/u/SherlockHolmes
Found SherlockHolmes 3 times on: https://xboxgamertag.com/search/SherlockHolmes
Found SherlockHolmes 2 times on: http://en.gravatar.com/SherlockHolmes
Found SherlockHolmes 2 times on: https://lichess.org/@/SherlockHolmes
Found SherlockHolmes 2 times on: http://promodj.com/SherlockHolmes
Found SherlockHolmes 2 times on: https://replit.com/@SherlockHolmes
Found SherlockHolmes 2 times on: https://steamcommunity.com/id/SherlockHolmes/
Found SherlockHolmes 2 times on:
https://www.geocaching.com/p/default.aspx?u=SherlockHolmes
Found SherlockHolmes 1 times on: https://aminoapps.com/u/SherlockHolmes
Found SherlockHolmes 1 times on: https://scratch.mit.edu/users/SherlockHolmes
Found SherlockHolmes 1 times on: https://www.smule.com/SherlockHolmes
Found SherlockHolmes 1 times on: https://www.strava.com/athletes/SherlockHolmes
Found SherlockHolmes 1 times on: https://vero.co/SherlockHolmes
```

After a some manual inspection, the gitlab account is the right one. On it we find this piece of code:

```
cities = {
    'A': (30.0444, 31.2357),
    'B': (35.6895, 139.6917),
    'C': (8.4844, -13.2344),
    'D': (24.4798, 118.0895),
    'E': (19.4326, -99.1332),
    'F': (37.9838, 23.7275),
    'G': (48.8566, 2.3522),
    'H': (28.7041, 77.1025),
    'I': (41.8781, -87.6298),
    'J': (43.6511, -79.3836),
    'K': (50.1109, 8.6821),
}

for code, (lat, lon) in cities.items():
    print(f'Latitude = {lat}, Longitude = {lon}')
```

A: Cairo B: Tokyo C: Freetown D: Xiamen E: Mexico City F: Athens G: Paris H: Delhi I: Chicago J: Toronto
K: Frankfurt

Now since we know the hidden code thingy starts with CTF, we notice the first letters: CTFXMAPDCTF

And that's the hidden code.

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