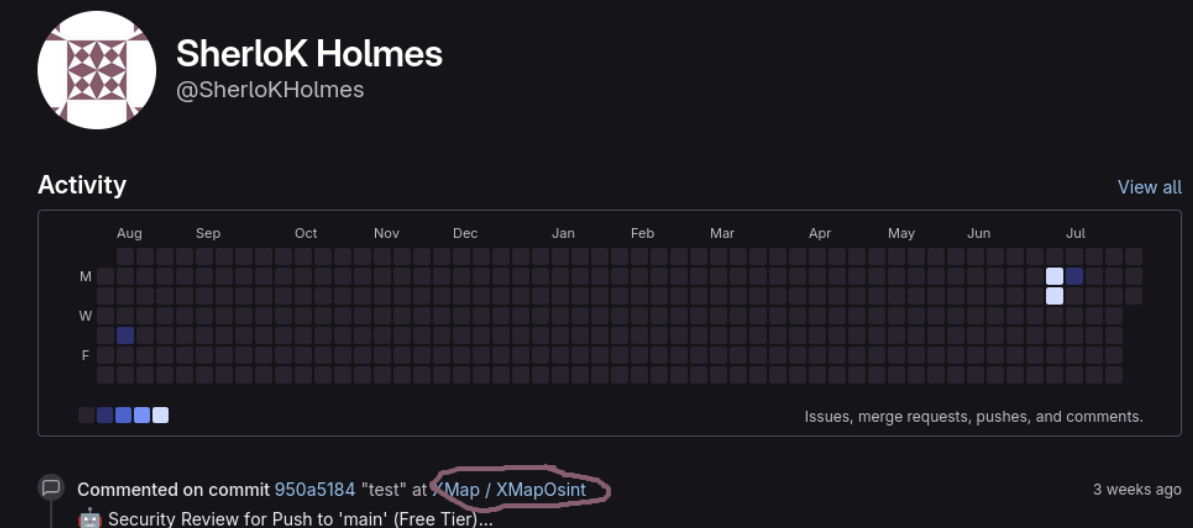


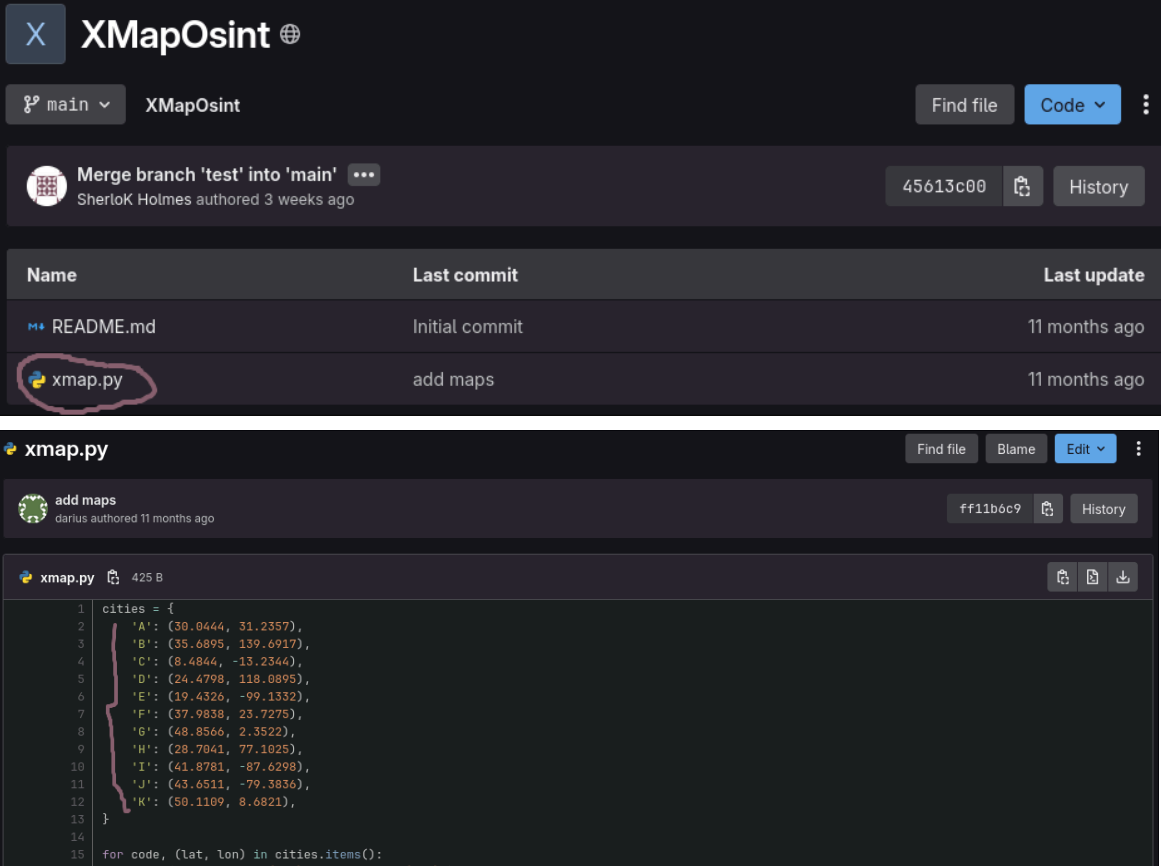
This exercise tells us (indirectly) to use a tool named “sherlock”, used to find accounts on different social media platforms. Command :
sherlock SherloKHolmes

We got a “SherloKHolmes.txt” file, with different accounts named “sherlockholmes”. After some manual research, we can found this Gitlab account :



The image shows the GitLab profile page for a user named "SherloK Holmes" with the handle "@SherloKHolmes". The profile includes a circular avatar with a geometric pattern. Below the name is an "Activity" section with a calendar view showing activity from August to July. A legend indicates that blue squares represent "Issues, merge requests, pushes, and comments". A recent activity entry is shown: "Commented on commit 950a5184 'test' at XMap / XMapOsint" 3 weeks ago. The repository name "XMap / XMapOsint" is circled in red.

We can see a repo named “XMap”(osint).



The image shows the GitLab repository page for "XMapOsint". The repository is on the "main" branch. A recent merge request is visible: "Merge branch 'test' into 'main'" by SherloK Holmes, authored 3 weeks ago. Below the merge request is a table of files:

Name	Last commit	Last update
README.md	Initial commit	11 months ago
xmap.py	add maps	11 months ago

The file "xmap.py" is circled in red. Below the table, the content of "xmap.py" is displayed. The file is 425 B and was last committed by "darius" 11 months ago. The code defines a dictionary of cities and a function to print their coordinates.

```
1 cities = {
2     'A': (30.0444, 31.2357),
3     'B': (35.6895, 139.6917),
4     'C': (8.4844, -13.2344),
5     'D': (24.4798, 118.0895),
6     'E': (19.4326, -99.1332),
7     'F': (37.9838, 23.7275),
8     'G': (48.8566, 2.3522),
9     'H': (28.7041, 77.1025),
10    'I': (41.8781, -87.6298),
11    'J': (43.6511, -79.3936),
12    'K': (50.1109, 8.6821),
13 }
14
15 for code, (lat, lon) in cities.items():
16     print(f'Latitude = {lat}, Longitude = {lon}')
```

And you can see, we found the coordinates of some cities. We can use Google Maps to find them :

30.0444, 31.2357 -> Cairo
35.6895, 139.6917 -> Tokyo
8.4844, -13.2344 -> Freetown
24.4798, 118.0895 -> Siming District, Xiamen, Fujian, China
19.4326, -99.1332 -> Ciudad de México, Mexic
37.9838, 23.7275 -> Atena
48.8566, 2.3522 -> Paris
28.7041, 77.1025 -> Delhi
41.8781, -87.6298 -> Chicago
43.6511, -79.3836 -> Toronto
50.1109, 8.6821 -> Frankfurt

So the secret code : **CTFXMAPDCTF** . Now we connect to the server with NetCat ("nc {ip} {port}"), paste the secret code and receive the flag

THE FLAG :

CTF{edfb2325d134f8500dfc670df26961164628780bf2dbd66f7929c65ea79cb59d}
~Z4que