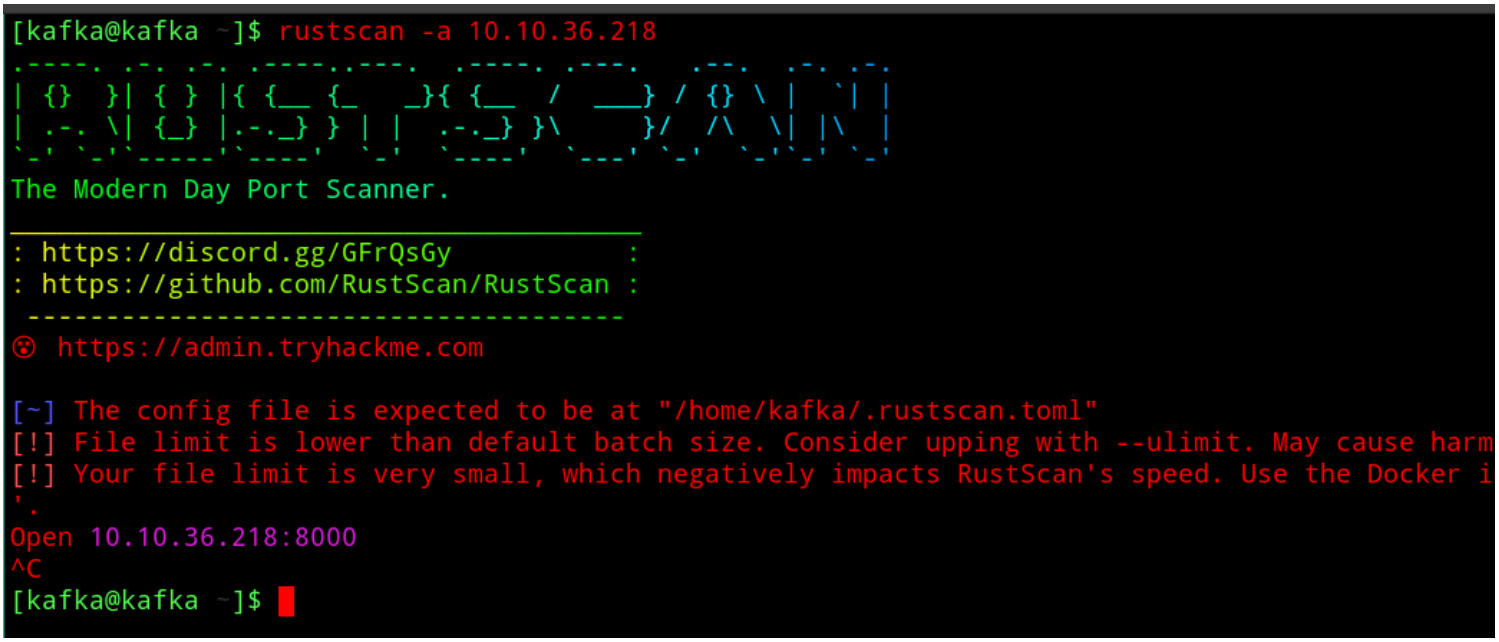
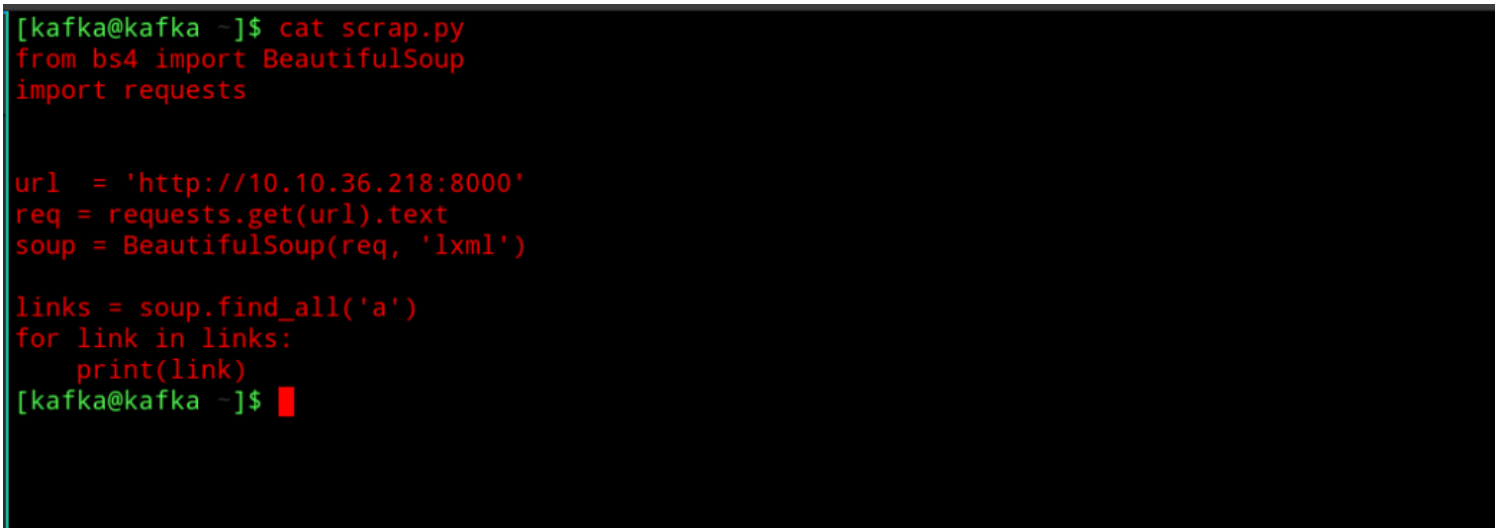
DAY16_advent_of_the_cyber

Identifying the port number for the web server:



Making python script file to scrape out links:



Scraping links:

```
[kafka@kafka ~]$ python3 scrap.py
<a class="navbar-item" href="../">
<img alt="Logo" src="http://bulma.io/images/bulma-type-white.png"/>
</a>
<a>Home</a>
<a href="">Examples</a>
<a class="button is-white is-outlined" href="https://github.com/BulmaTemplates/bulma-templates/blob/master/templa
<span class="icon">
<i class="fa fa-github"></i>
</span>
<span title="Hello from the other side">View Source. Template not my own.</span>
</a>
<a href="https://tryhackme.com">Santa</a>
<a href="https://tryhackme.com">Santa</a>
<a href="https://tryhackme.com">humans</a>
<a href="https://tryhackme.com">click</a>
<a href="https://tryhackme.com">Python</a>
<a href="https://tryhackme.com">notice</a>
<a href="https://tryhackme.com">Skidy</a>
<a href="https://tryhackme.com">TryHackMe</a>
<a href="https://tryhackme.com">man</a>
<a href="https://tryhackme.com">613</a>
<a href="https://tryhackme.com">jumper</a>
<a href="#">Lorem ipsum dolor sit amet</a>
<a href="#">Vestibulum errato isse</a>
<a href="#">Lorem ipsum dolor sit amet</a>
<a href="#">Aisia caisia</a>
<a href="#">Murphy's law</a>
<a href="#">Flimsy Lavenrock</a>
<a href="#">Maven Mousie Lavender</a>
<a href="#">Labore et dolore magna aliqua</a>
<a href="#">Kanban airis sum eschelor</a>
<a href="http://machine_ip/api/api_key">Modular modern free</a>
<a href="#">The king of clubs</a>
<a href="#">The Discovery Dissipation</a>
<a href="#">Course Correction</a>
<a href="#">Better Angels</a>
<a href="#">Objects in space</a>
<a href="#">Playing cards with coyote</a>
<a href="#">Goodbye Yellow Brick Road</a>
<a href="#">The Garden of Forking Paths</a>
<a href="#">Future Shock</a>
```

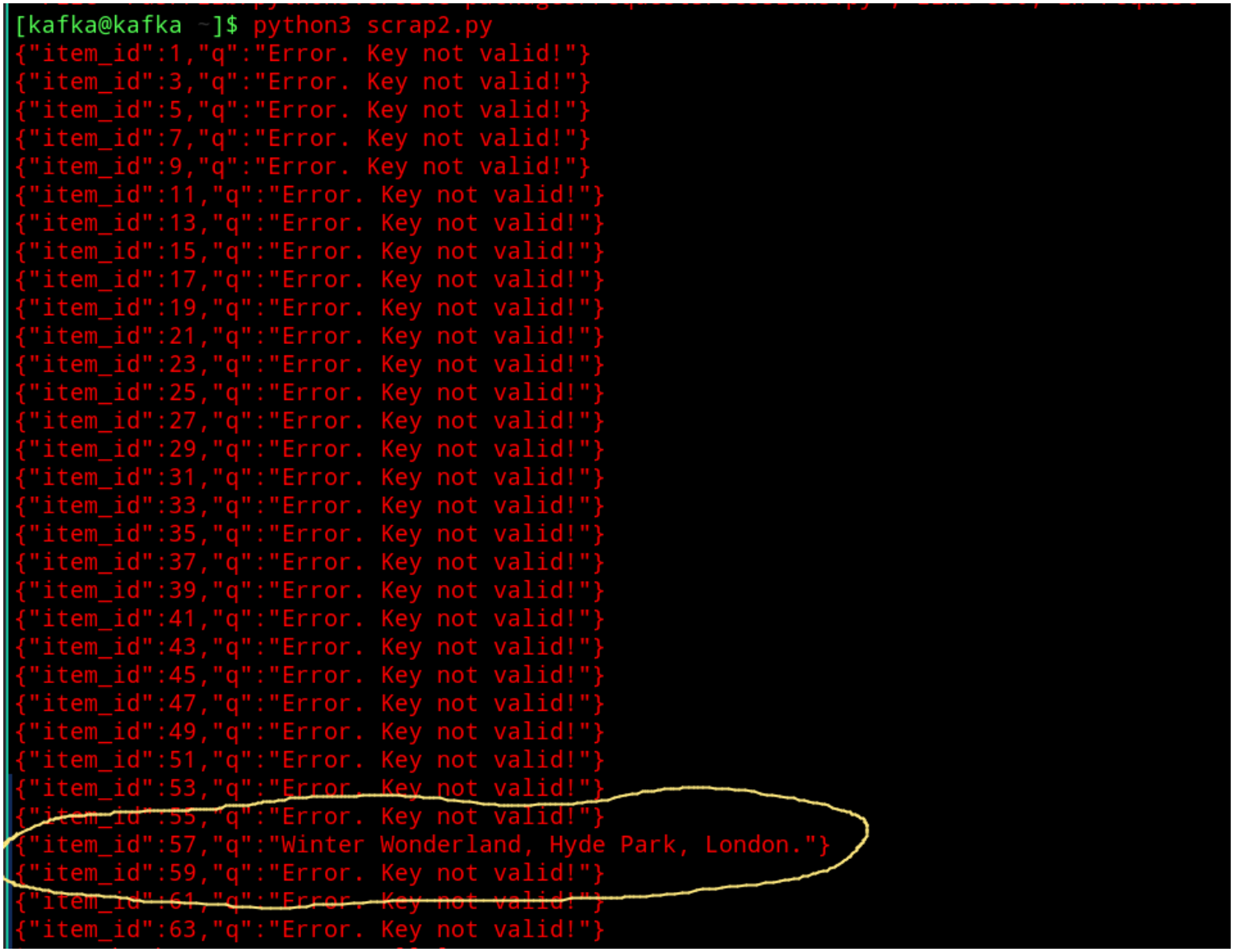
Making Python script file to scrape for api key(since we are said to not use tools like dirbuster/gobuster):

```
[kafka@kafka ~]$ cat scrap2.py
from bs4 import BeautifulSoup
import requests


for i in range(1,100,2):
    url = f'http://10.10.36.218:8000/api/{i}'
    req = requests.get(url).text
    soup = BeautifulSoup(req, 'lxml')
    para = soup.find('p')
    print(para.text)      # using prettify to properly represent with html indent

[kafka@kafka ~]$
```

finding key:


[kafka@kafka ~]$ python3 scrap2.py
{"item_id":1,"q":"Error. Key not valid!"}
{"item_id":3,"q":"Error. Key not valid!"}
{"item_id":5,"q":"Error. Key not valid!"}
{"item_id":7,"q":"Error. Key not valid!"}
{"item_id":9,"q":"Error. Key not valid!"}
{"item_id":11,"q":"Error. Key not valid!"}
{"item_id":13,"q":"Error. Key not valid!"}
{"item_id":15,"q":"Error. Key not valid!"}
{"item_id":17,"q":"Error. Key not valid!"}
{"item_id":19,"q":"Error. Key not valid!"}
{"item_id":21,"q":"Error. Key not valid!"}
{"item_id":23,"q":"Error. Key not valid!"}
{"item_id":25,"q":"Error. Key not valid!"}
{"item_id":27,"q":"Error. Key not valid!"}
{"item_id":29,"q":"Error. Key not valid!"}
{"item_id":31,"q":"Error. Key not valid!"}
{"item_id":33,"q":"Error. Key not valid!"}
{"item_id":35,"q":"Error. Key not valid!"}
{"item_id":37,"q":"Error. Key not valid!"}
{"item_id":39,"q":"Error. Key not valid!"}
{"item_id":41,"q":"Error. Key not valid!"}
{"item_id":43,"q":"Error. Key not valid!"}
{"item_id":45,"q":"Error. Key not valid!"}
{"item_id":47,"q":"Error. Key not valid!"}
{"item_id":49,"q":"Error. Key not valid!"}
{"item_id":51,"q":"Error. Key not valid!"}
{"item_id":53,"q":"Error. Key not valid!"}
{"item_id":55,"q":"Error. Key not valid!"}
{"item_id":57,"q":"Winter Wonderland, Hyde Park, London."}
{"item_id":59,"q":"Error. Key not valid!"}
{"item_id":61,"q":"Error. Key not valid!"}
{"item_id":63,"q":"Error. Key not valid!"}