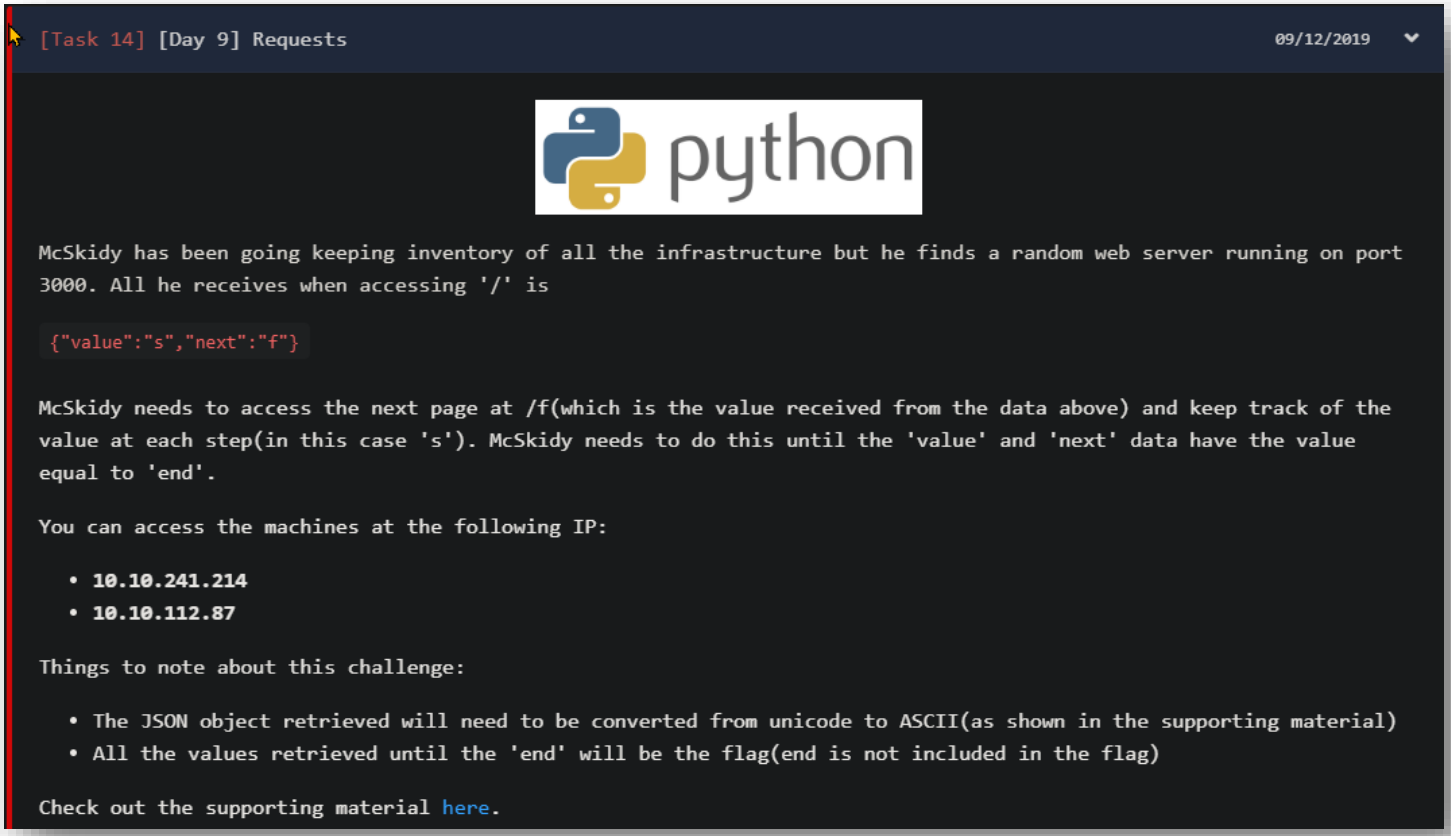
https://docs.google.com/document/d/1FyAnxlQpzh0Cy17cKLsUZYCYqUA3eHu2hm0snilaPL0/edit?usp=sharing




1. **What is the value of the flag?**
    - The supporting material goes over the requests library in python3
    - Each request to ‘next’ results in a new value
    - If we keep using the next result as the new path, we can keep track of all the values until path and value result in ‘end’
    - The python script I came up with is:

task14_python_requests.py > ...

```python
import requests
import json


path = ''
host = 'http://10.10.112.87:3000/'
value = ''
# path_str = ''
value_str = ''

while(path != 'end' and value != 'end'):
    response = requests.get(host + path)

    # print('\'{}\''.format(response))
    # status_code = response.status_code
    # text = response.text
    # print(type(text))

    json_response = response.json()
    path = json_response['next']
    value = json_response['value']
    # path_str += path
    if(value != 'end'):
        value_str += value


# print('path_str: {}'.format(path_str))
print('value_str: {}'.format(value_str))


```

- Line 11: A while loop continues executing the block under it until the conditions are met. We keep getting the new value and next values until they hold the string ‘end’.
- Lines 14 – 17 are commented out, just used that code to help figure out formatting
- Line 19: json_response is a dictionary object, we can easily grab the values on lines 20 and 21 with [ ]
- Lines 23-24 are building the value/flag string, appending the value to the string unless the value is ‘end’

```
chetboii@XPS15:/mnt/c/Users/Chet/Documents/Advent of Cyber files$ pyth
on3 task14_python_requests.py
value_str: sCrIPtKiDd
chetboii@XPS15:/mnt/c/Users/Chet/Documents/Advent of Cyber files$
```

- The flag is: **sCrIPtKiDd**