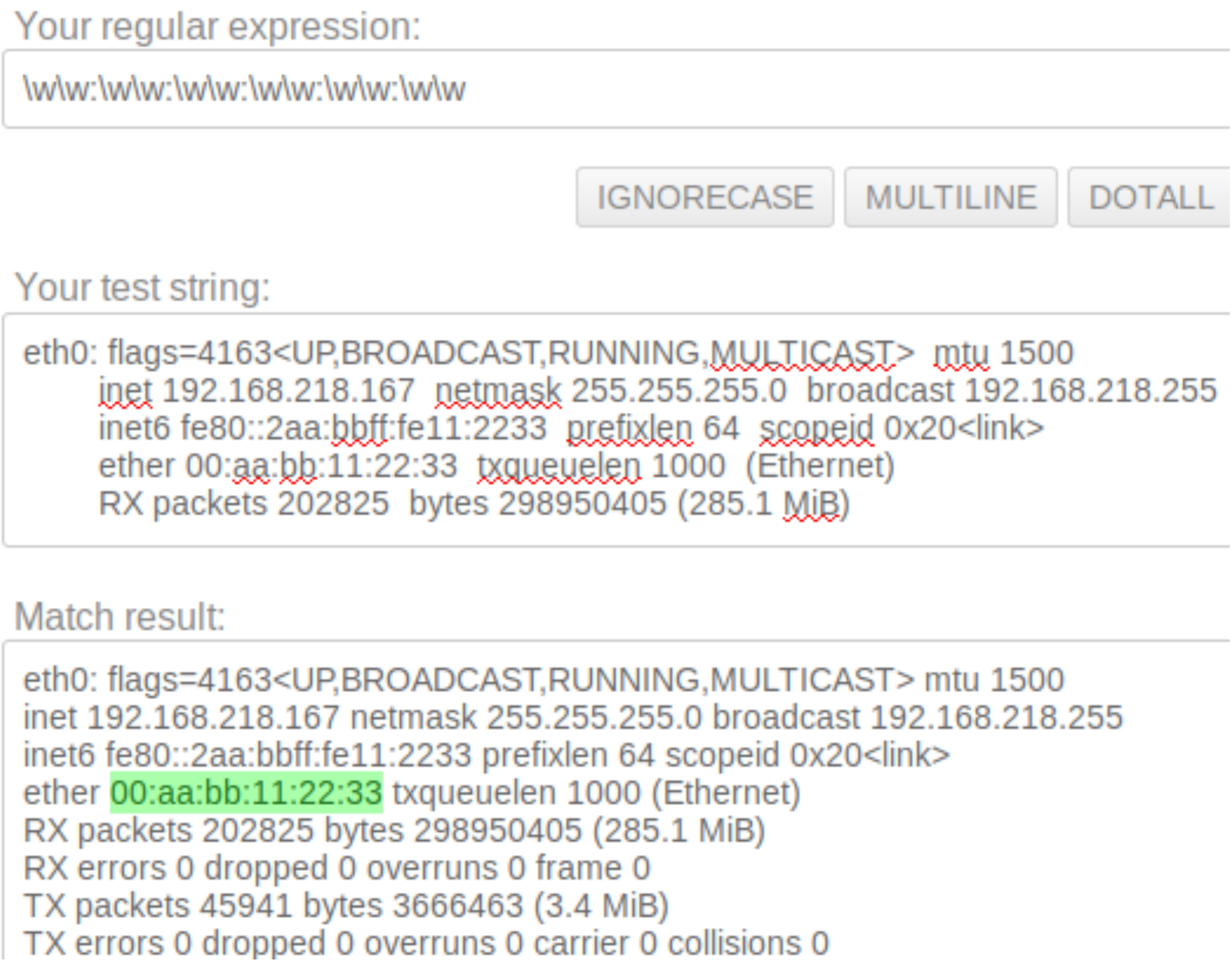
python regex

Source:
https://pythex.org/
https://docs.python.org/2/library/re.html
https://www.tutorialspoint.com/python/python_reg_expressions.htm

Searching for only for mac addresses

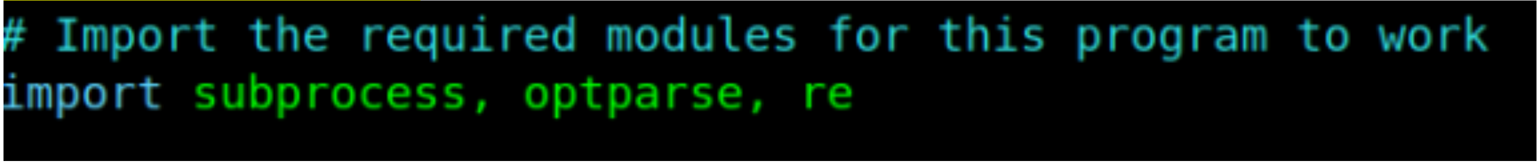


```
\w\w:\w\w:\w\w:\w\w:\w\w:\w\w
```

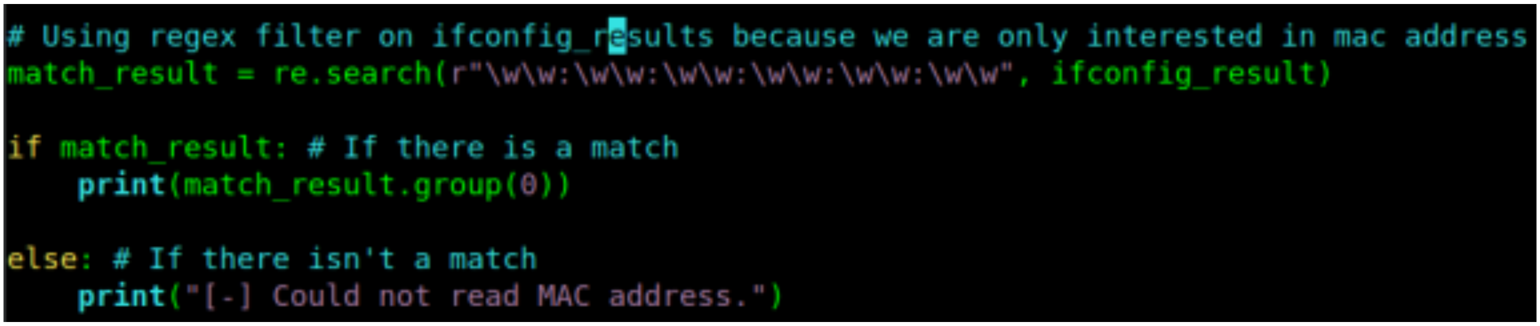
```
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 192.168.218.167  netmask 255.255.255.0  broadcast 192.168.218.255
        inet6 fe80::2aa:bbff:fe11:2233  prefixlen 64  scopeid 0x20<link>
        ether 00:aa:bb:11:22:33  txqueuelen 1000  (Ethernet)
        RX packets 202825  bytes 298950405 (285.1 MiB)
```

```
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 192.168.218.167 netmask 255.255.255.0 broadcast 192.168.218.255
inet6 fe80::2aa:bbff:fe11:2233 prefixlen 64 scopeid 0x20<link>
ether 00:aa:bb:11:22:33 txqueuelen 1000 (Ethernet)
RX packets 202825 bytes 298950405 (285.1 MiB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 45941 bytes 3666463 (3.4 MiB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

Using regex in a program:



```
# Import the required modules for this program to work
import subprocess, optparse, re
```



```
# Using regex filter on ifconfig_results because we are only interested in mac address
match_result = re.search(r"\w\w:\w\w:\w\w:\w\w:\w\w:\w\w", ifconfig_result)

if match_result: # If there is a match
    print(match_result.group(0))

else: # If there isn't a match
    print("[-] Could not read MAC address.")
```