***Python – mac changer***

Basic Mac changer:

Code:

**import subprocess**

**import optparse**

**def get\_arguments():**

**parser = optparse.OptionParser()**

**parser.add\_option("--i", "--interface", dest="interface", help="Interface to be selected for MAC address change")**

**parser.add\_option("--m", "--mac", dest="mac", help="New MAC address")**

**return parser.parse\_args()**

**def change\_mac(intfc,new\_mac):**

**# print("Changing mac addr for :" + str(intfc) + "to : " + str(new\_mac) )**

**subprocess.call(['ifconfig', intfc, 'down'])**

**subprocess.call(['ifconfig', intfc, 'hw', 'ether', new\_mac])**

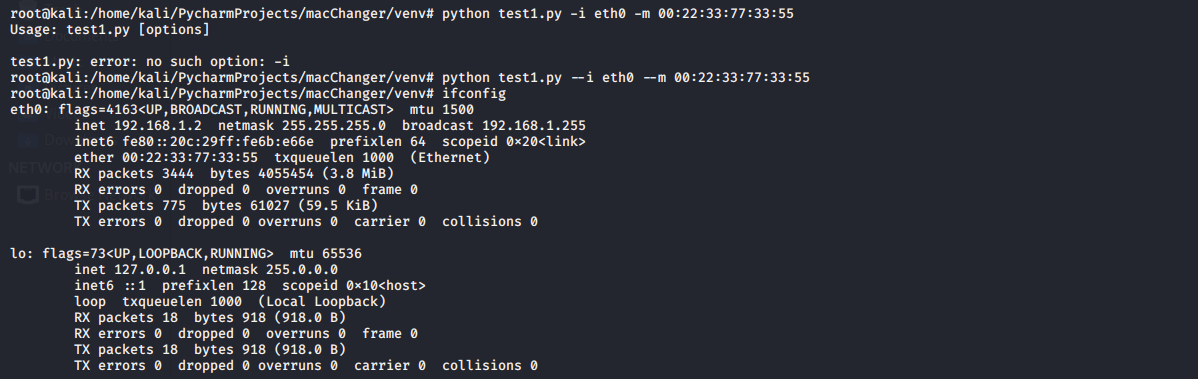
**subprocess.call(['ifconfig', intfc, 'up'])**

**(options,arguments)=get\_arguments()**

**intfc=options.interface**

**new\_mac=options.mac**

**change\_mac(intfc,new\_mac)**

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**Part 2 Checking THE ifconfig output**

**Subprocess check output**

**import subprocess**

**import optparse**

**import re**

**def get\_arguments():**

**parser = optparse.OptionParser()**

**parser.add\_option("--i", "--interface", dest="interface", help="Interface to be selected for MAC address change")**

**parser.add\_option("--m", "--mac", dest="mac", help="New MAC address")**

**return parser.parse\_args()**

**def change\_mac(intfc,new\_mac):**

**# print("Changing mac addr for :" + str(intfc) + "to : " + str(new\_mac) )**

**subprocess.call(['ifconfig', intfc, 'down'])**

**subprocess.call(['ifconfig', intfc, 'hw', 'ether', new\_mac])**

**subprocess.call(['ifconfig', intfc, 'up'])**

**(options,arguments)=get\_arguments()**

**intfc=options.interface**

**new\_mac=options.mac**

**ifconfig\_result= subprocess.check\_output(["ifconfig", intfc])**

**print(ifconfig\_result)**

**PART 3**

**Using pythex regex for verification and comparison:**

**Write the regex from pythex site using cheatsheet**

**And implement in the following code:**

**def change\_mac(intfc,new\_mac):**

**# print("Changing mac addr for :" + str(intfc) + "to : " + str(new\_mac) )**

**subprocess.call(['ifconfig', intfc, 'down'])**

**subprocess.call(['ifconfig', intfc, 'hw', 'ether', new\_mac])**

**subprocess.call(['ifconfig', intfc, 'up'])**

**current\_mac= get\_mac(intfc)**

**if(current\_mac):**

**print(current\_mac)**

**if(options.new\_mac == current\_mac):**

**print(“Mac addr was successfully configured”)**

**else**

**print(“Sorry couldn’t change your mac address”)**