

## Logfile entries:

```

New message log:
1
From pveerar@purdue.edu Mon Apr  5 09:40:39 2021
Subject: Test
Folder: pveerar@purdue.edu                                6967

New message log:
2
From 01000178a24aeeeda-1945c247-80ee-47c3-a007-78bd70276bfd-000000@mail.wmagazine.com Mon Apr  5 09:49:05 2021
Subject: Welcome to W
Folder: spamFolder                                        73535

New message log:
3
From 01000178a24b0cb6-0db7ca41-499e-49af-99e3-be554229507a-000000@mail.wmagazine.com Mon Apr  5 09:49:12 2021
Subject: Welcome to W
Folder: spamFolder                                        73539

New message log:
4
From 01000178a24b16f7-120945a-4ffd-42a3-88cc-c8bf77287c9c-000000@mail.wmagazine.com Mon Apr  5 09:49:15 2021
Subject: Welcome to W
Folder: spamFolder                                        73543

New message log:
5
From bounce-44_HTML-151960769-201125-100023869-60337@bounce.newsletters.time.com Mon Apr  5 09:49:52 2021
Subject: Please Confirm Your Email Address
Folder: spamFolder                                        21711

New message log:
6
From bounces+16182171-05b7-ec404p0@ecn.purdue.edu@sendgrid.net Mon Apr  5 09:50:46 2021
Subject: Welcome to NextAdvisor Weekly
Folder: spamFolder                                        42428

New message log:
7
From 16175610106173567-47599-1-ecn.purdue.edu@ftenv.nczc.asia Mon Apr  5 09:50:55 2021
Subject: =?UTF-8?B?UmVnaXN0cmF0aW9uIGVnbXBsZXRLISBQbGVhc2UgYWN0aXZhdGUgeW91ciB
Folder: spamFolder                                        16760

New message log:
8
From 202104051351247e43dd2171942f593a621b47160p0na@bounces.amazon.com Mon Apr  5 09:51:45 2021

```

## Firewall404.sh :

#!/bin/sh

#####

# Homework Number: 9

# Name: Prekshaa Veeraragavan

# ECN login: pveerar

# Due Date: April 05, 2021

#####

#flush previous rules and chains

sudo iptables -t filter -F

sudo iptables -t filter -X

#change source IP address

sudo iptables -t nat -A POSTROUTING -j MASQUERADE

#block all new packets from yahoo.com

```
sudo iptables -A INPUT -s yahoo.com -j DROP
```

#block being pinged

```
sudo iptables -A INPUT -p icmp --icmp-type echo-request -j DROP
```

#port forwarding

```
sudo iptables -t nat -A PREROUTING -p tcp --dport 5001 -j DNAT --to-destination 22
```

#allow ssh access

```
sudo iptables -A INPUT -s engineering.purdue.edu -j DROP
```

```
sudo iptables -A INPUT -p tcp --destination-port 22 -j ACCEPT
```

#limit connection to 30 per min

```
sudo iptables -A FORWARD -p tcp --syn -m limit --limit 30/m --limit-burst 60 -j ACCEPT
```

#drop any others

```
sudo iptables -A INPUT -p all -j REJECT --reject-with icmp-host-prohibited
```