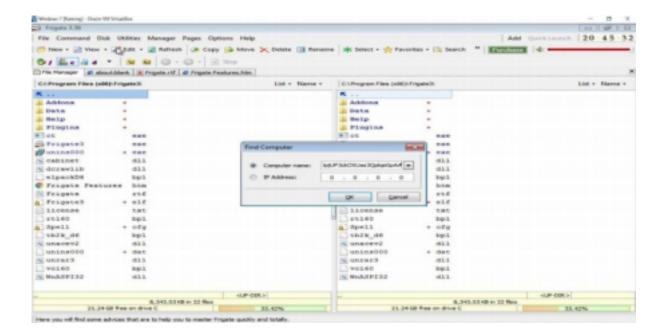
Secure Coding Lab-10

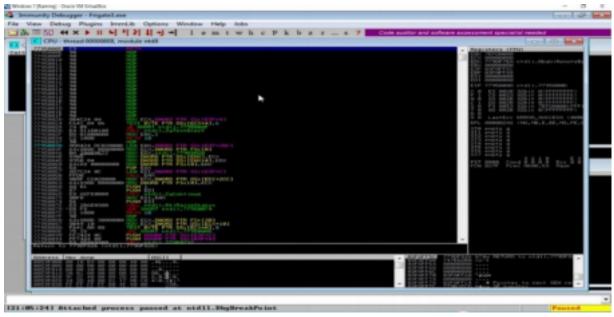
NAME: VENKATA SAI KARTHIK

REG.NO: 18BCE7296

Crashing the Frigate3_Pro_v36 application and opening calc.exe (Calculator) by triggering it using the above generated payload:



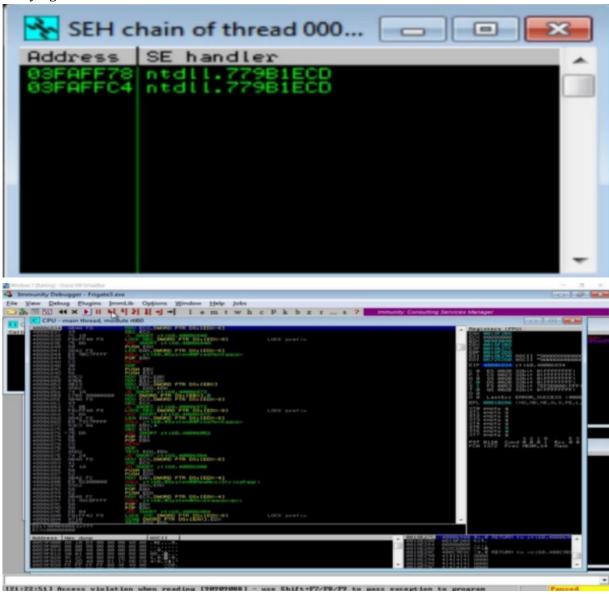
Before Execution (Exploitation): Attaching the debugger (Immunity debugger) to the application Frigate3_Pro_v36 and analysing the address of various registers:



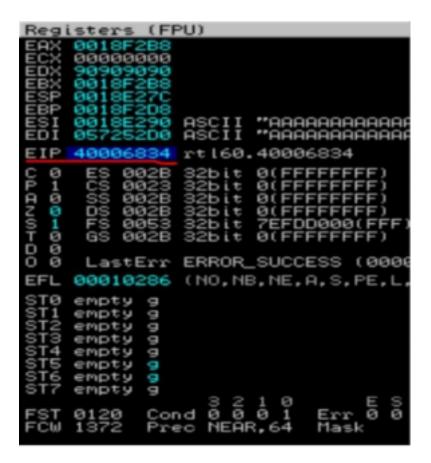
Checking for EIP address:

```
(FPU)
Registers
     7EFDA000
     ntdll.DbgUiRemoteB
     Ø3FAFF50
     03FAFF88
     00000000
     000000000
       795000D
                   ntdll.7795000D
      ES 002B
CS 0023
SS 002B
DS 002B
FS 0053
GS 002B
                   32bit
32bit
32bit
32bit
32bit
32bit
                             0(FFFFFFFF
 010100
                             0(FFFFFFF
                             Ø(FFFFFFF
                             0(FFFFFFFF)
7EFDA000(FFF
0(FFFFFFFF)
 ø
 ø
      LastErr
                   ERROR_SUCCESS (0000
     00000246
                   (NO, NB, E, BE, NS, PE,
              01 01 01 01
               9
              9
              g
```

Verifying the SHE chain:



Checkingfor EIP address:



Verifying the SHE chain and reporting the dll loaded along with the addresses:



Hence from the above analysis we found that the dll 'rtl60.40010C4B'iscorruptedandislocatedatthe address '0018F2A0'.