CSE-2010

Secure Coding(L23 + L24)

Lab - 10

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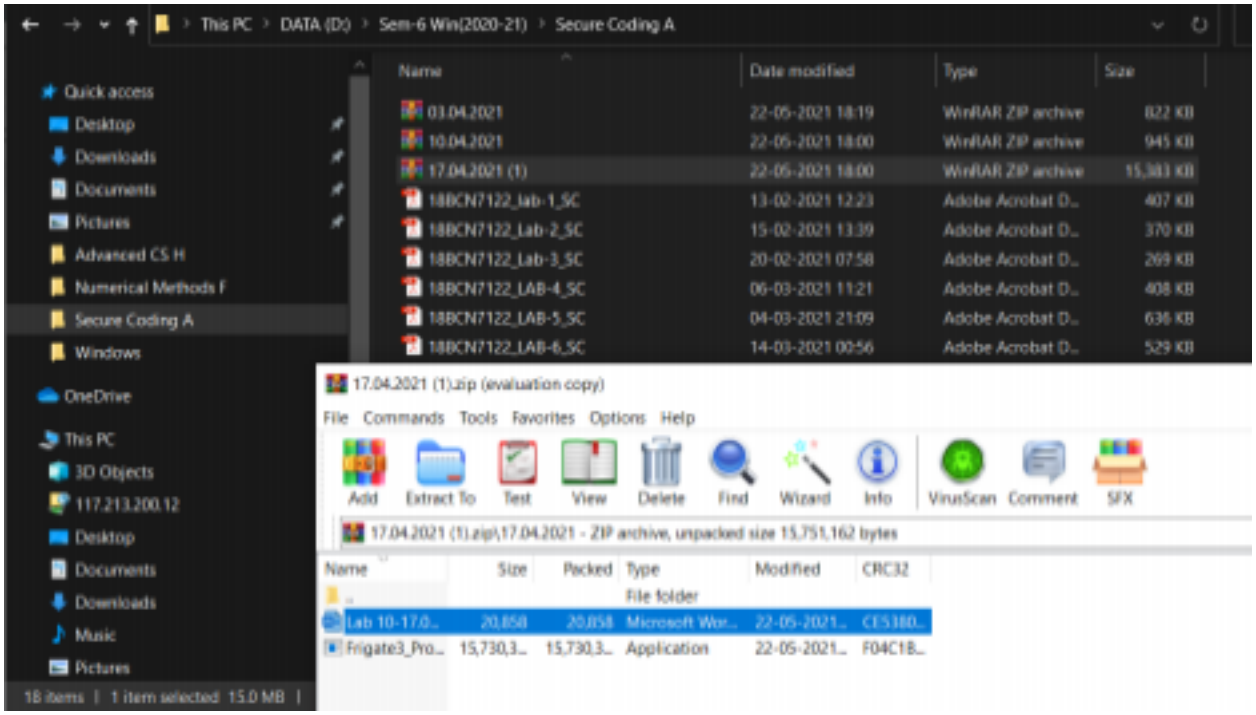
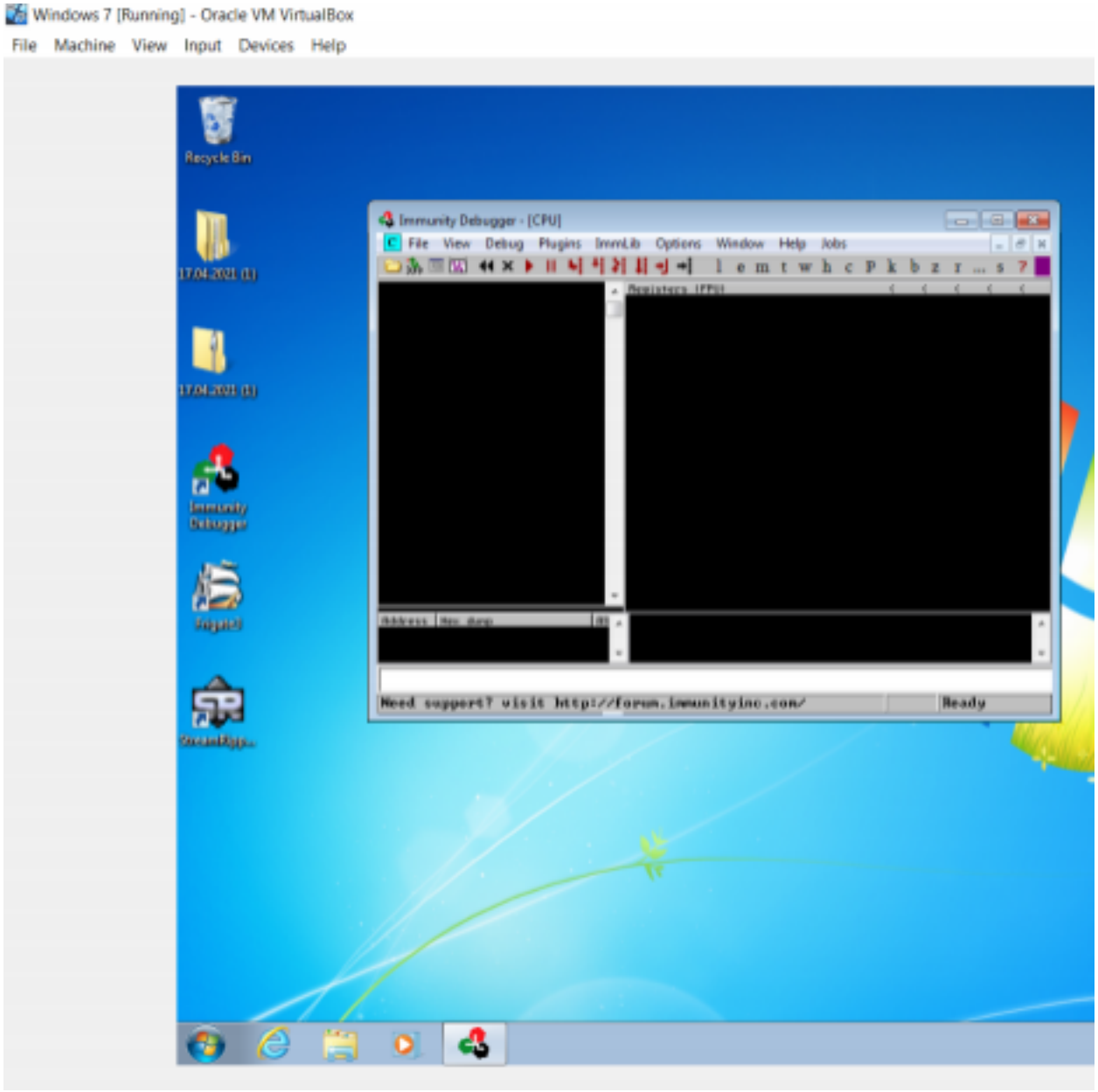
Task

Download Frigate3_Pro_v36 from teams (check folder named 17.04.2021).

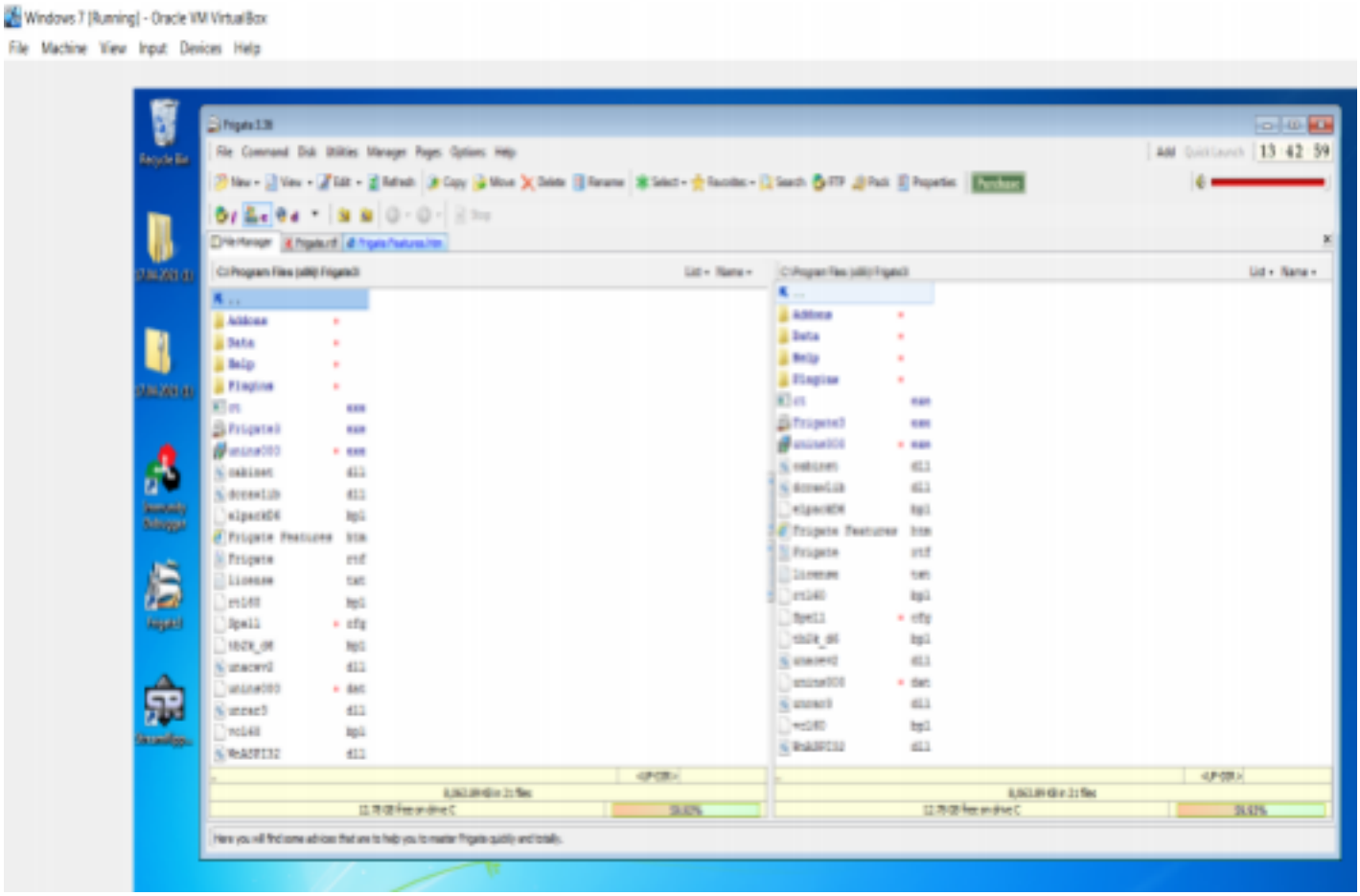


Deploy a virtual windows 7 instance and copy the Frigate3_Pro_v36 into it.

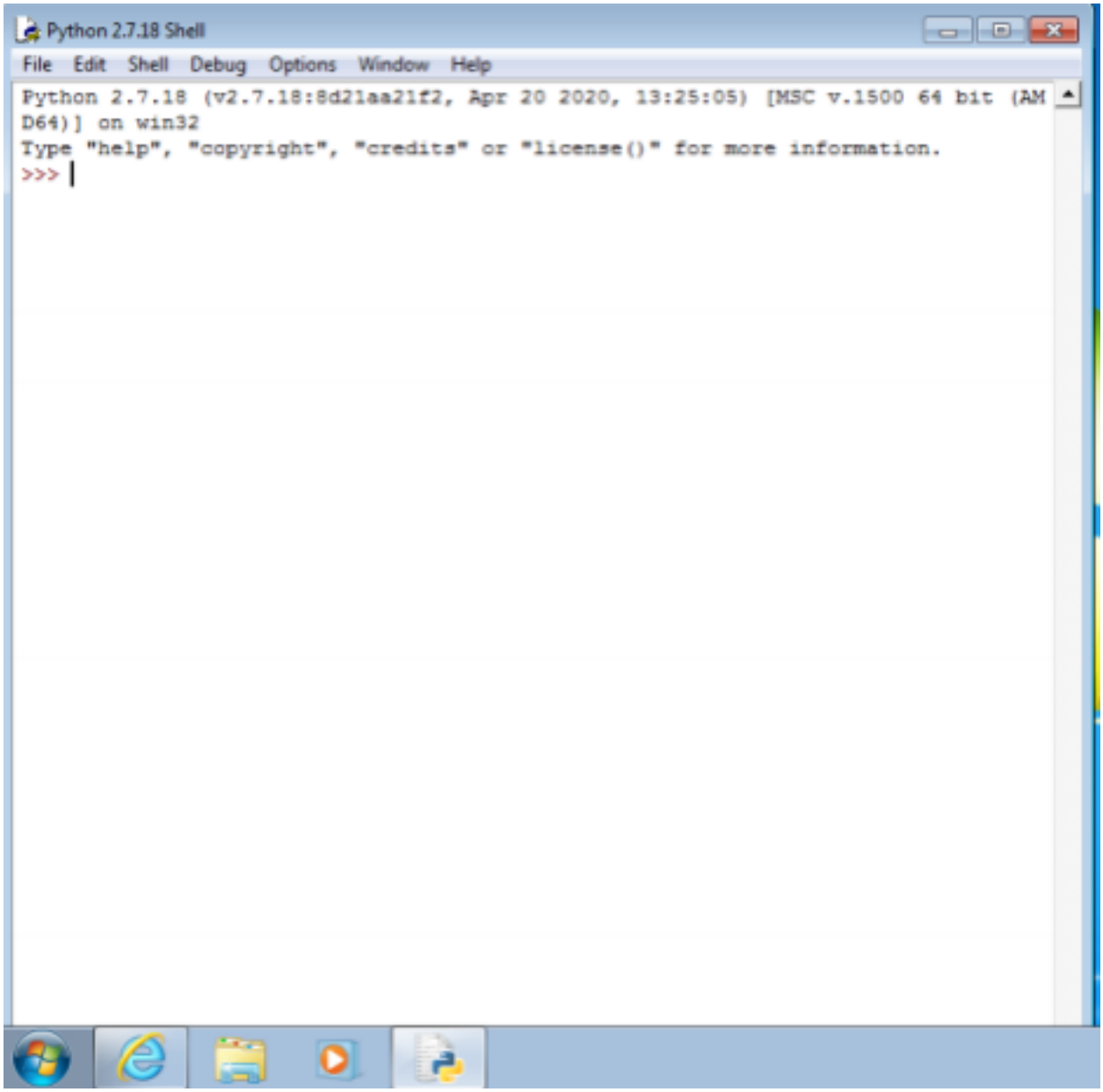
Install Immunity debugger or ollydbg in windows7



Install Frigate3_Pro_v36 and Run the same



Download and install python 2.7.* or 3.5.*

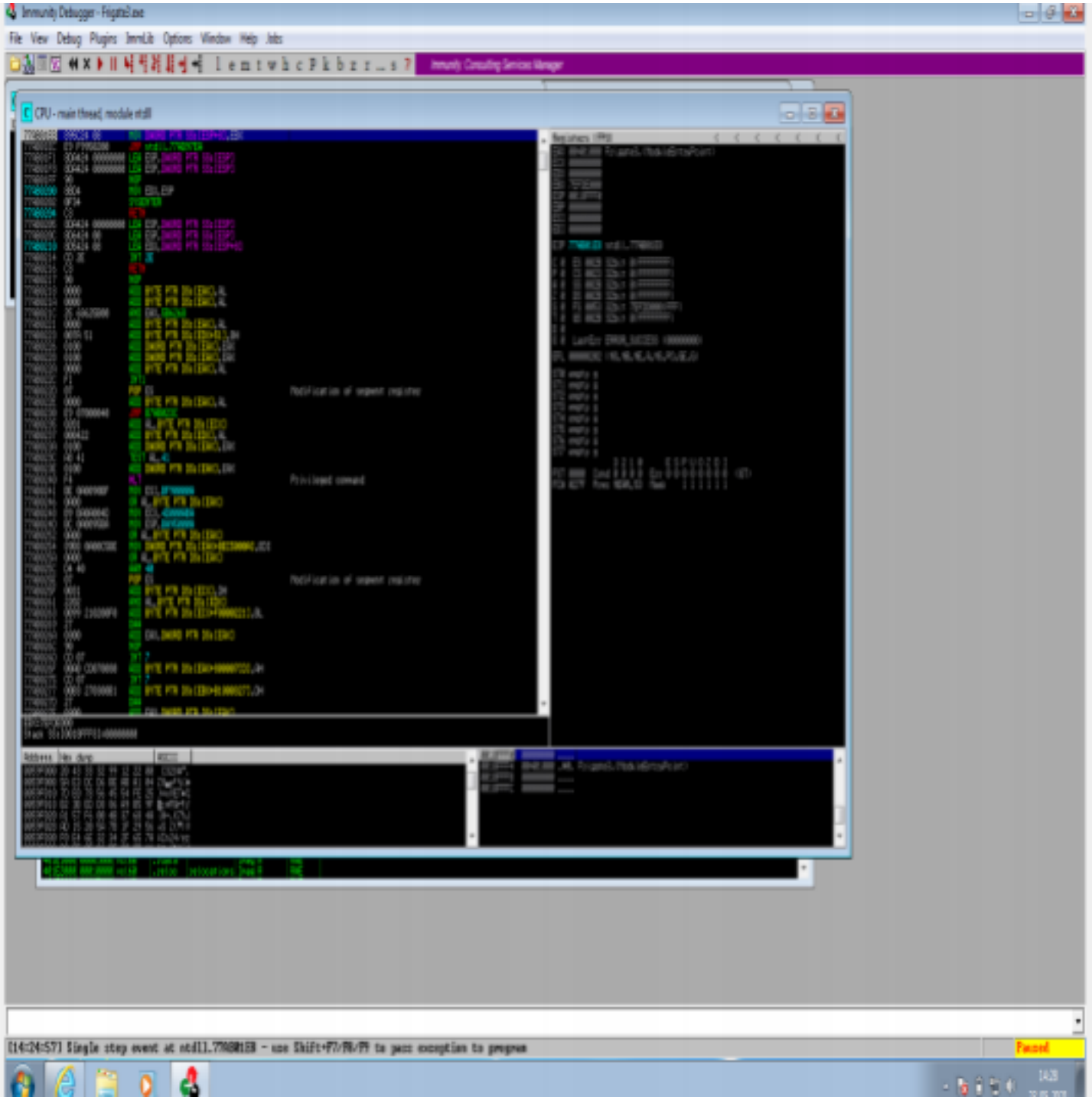


1. **Analysis :-**

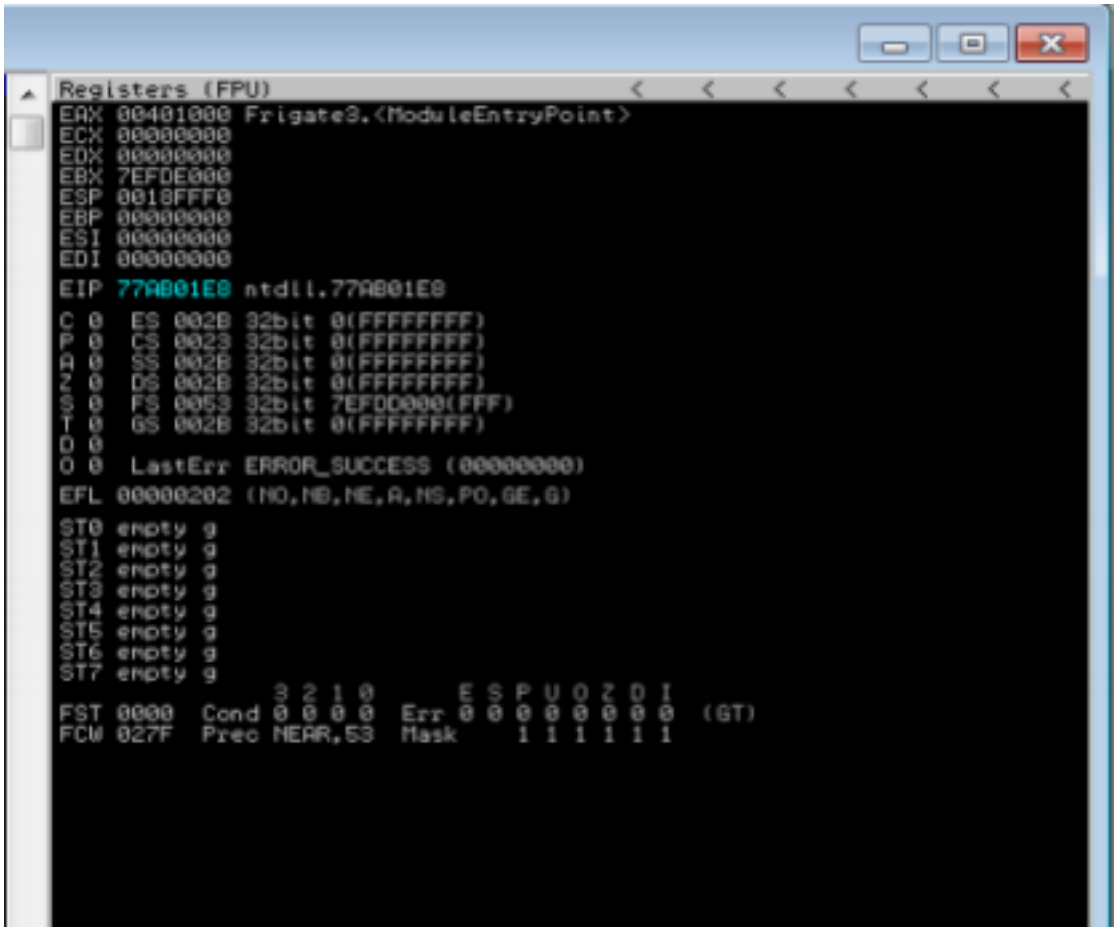
Try to crash the Frigate3_Pro_v36 and exploit it.
Change the default trigger from cmd.exe to calc.exe

(Use msfvenom in Kali linux).

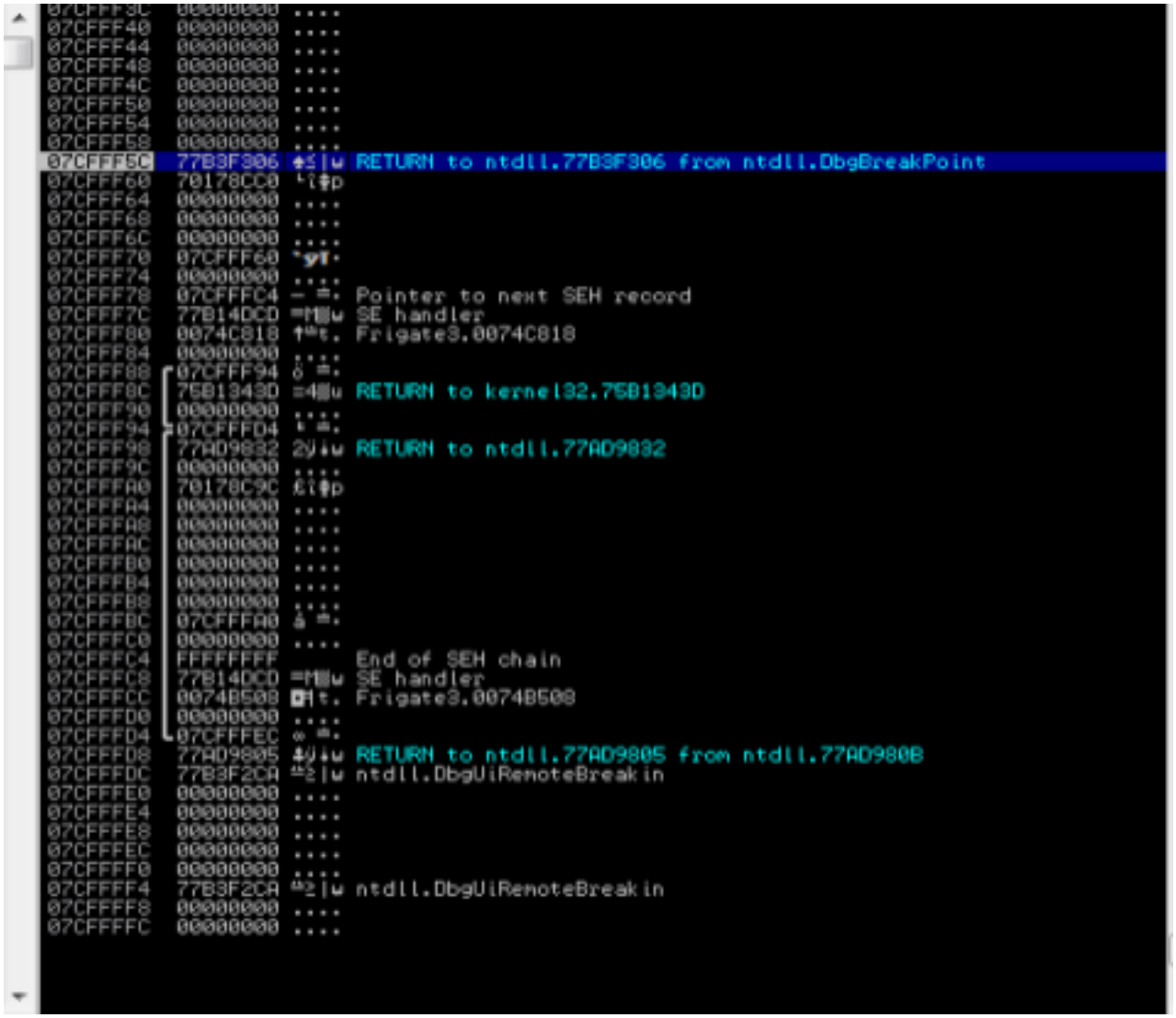
msfvenom -a x86 --platform windows -p windows/exec CMD=calc -e x86/alpha_mixed -b "\x00\x14\x09\x0a\x0d" -f python **Attach the debugger (immunity debugger or ollydbg) and analyse the address of various registers listed below**



Check for EIP address



Verify the starting and ending addresses of stack frame



Verify the SEH chain and report the dll loaded along with the addresses. For viewing SEH chain, goto view à SEH