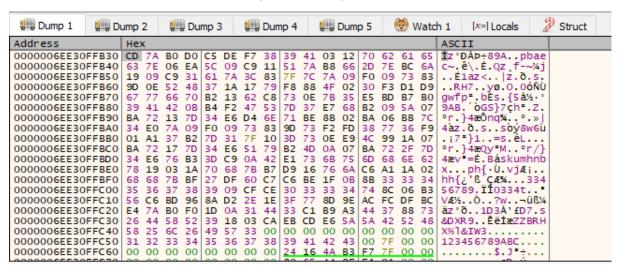
## Analyzing XOR encrypted payload with xdbg

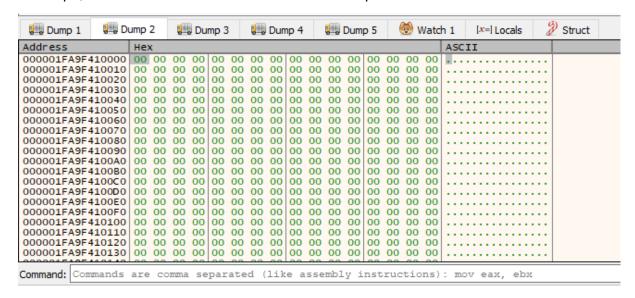
In this section, we will be analyzing, the .exe file, in which the payload is encrypted with XOR.

We must follow the same procedure we followed in the base64 case, so first run the program the cmd, then attach the program in xdbg, then from then analyze the program.

So, in the dump1, we can see the encrypted xor payload:



In dump2, we can see VirtualAlloc has allocated the space:



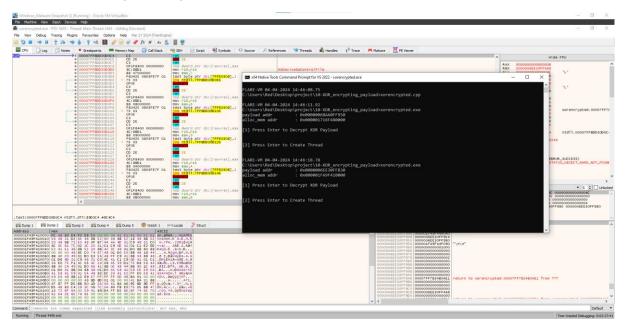
Here when we follow the address, which was there in dump1, if we follow that address in the memory map, we can see a thread value(stack)



Even when following it in the threads, we can see that the same number pops up: "2464"



So, now just press enter in the cmd, and we will see that in dump2, the ASCII column will be flooded with decrypted payload.



As we can see here, as soon as we hit enter, we can see the decrypted payload.

And we can see that even the protection got changed:



Now if we further run the program, it will exit, and Notepad will be opened.