Reverse Engineering

Date :2023

This is one of the course I took during my first in university .

In this course I learnt how to use a disassembler, a debugger and other various tools like :

Ida, x32dbg, CFF explorer, HxD ,FASM compiler ,msdn.

And a lot of technics about it .

In this course every lesson was going with it own exercises sometimes capture the flag , sometimes conversion to high level language like Cpp or Python and sometimes conversion form Python to ASM .

For some of them we got to return a writeup

So here are some of the projects: (click on the links for writeups)

- Writing some ASM code from Python script

- Writing Python or Cpp from ASM x86

- Doing some static analysis and patch   under the form of capture the flag

- Writing some CPP form ASM arm code

- CTF from the Shabak(Israeli Security Agency)

- Doing some dynamic analysis under CTF form

- Doing some code injection

- Doing some Patch to bypass anti-debug features

- I then got my final exam with an actual grade of 100/100