TEMA 7 – LAB SSI

Ex 2:

a) Observam ca la citirea parolei nu este verificata posibilitatea aparitiei unui buffer overflow. Cea mai simpla metoda de prevenire a unui astfel de atac este de a schimba limbajul de programare deoarece C/C++ sunt predispuse la asa ceva.
b) Daca punem ca input orice string cu lungime > 14 parola va fi considerata corecta.
c) Stack buffer overflow attack.

Ex 4:

a)

property	value
md5	FBCB03A55D64B4DD4C6A7906A9B5FCAE
sha1	46089FF7646663AC1413B3BC952F9EA1403AE9DF
sha256	1EB1152CE37E1E974CD04773F862DEA6BD1F07F6EDC952A141A363784A3B0515
first-bytes-hex	4D 5A 90 00 03 00 00 00 04 00 00 00 FF FF 00 00 B8 00 00 00 00 00 00 00 40 00 00 00 00 00 00 00
first-bytes-text	M Z .. .. @ .. ..
file-size	160751 bytes
entropy	5.858
imphash	1B196CEA28E28F7E083AEEDEE66BFBD7
signature	n/a
tooling	n/a
entry-point	48 83 EC 28 48 8D 0D 75 00 00 00 E8 00 01 00 00 45 31 C0 31 D2 31 C9 E8 14 01 00 00 45 31 C0 31 D2
file-version	n/a
description	n/a
file-type	executable
cpu	64-bit
subsystem	console
compiler-stamp	Wed Nov 23 07:26:52 2022	UTC
debugger-stamp	0x00000000
resources-stamp	0x00000000
import-stamp	0x00000000
exports-stamp	n/a

0x637DCB3C - Wed Nov 23 07:26:52 2022 | UTC – 1669188412

b)

Convertim in Little Endian : 3C CB 7D 63

```
00000140  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00   ................
00000150  00 00 00 00 3C CB 7D 63 00 00 00 00 00 00 00 00   ....<Ë}c........
00000160  00 00 00 00 B4 80 00 00 78 00 00 00 00 00 00 00   ....´€..x........
00000170  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00   ................
```