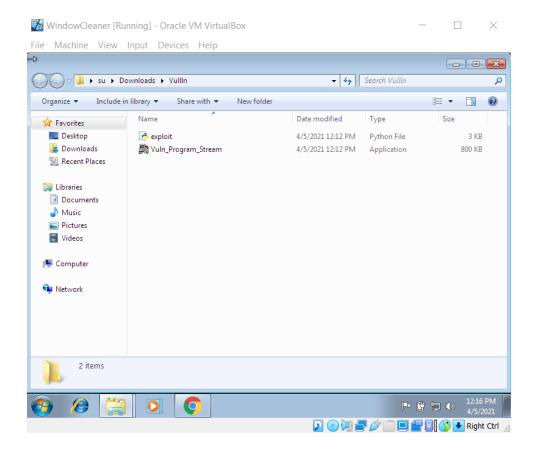
## SECURE CODING LAB 9

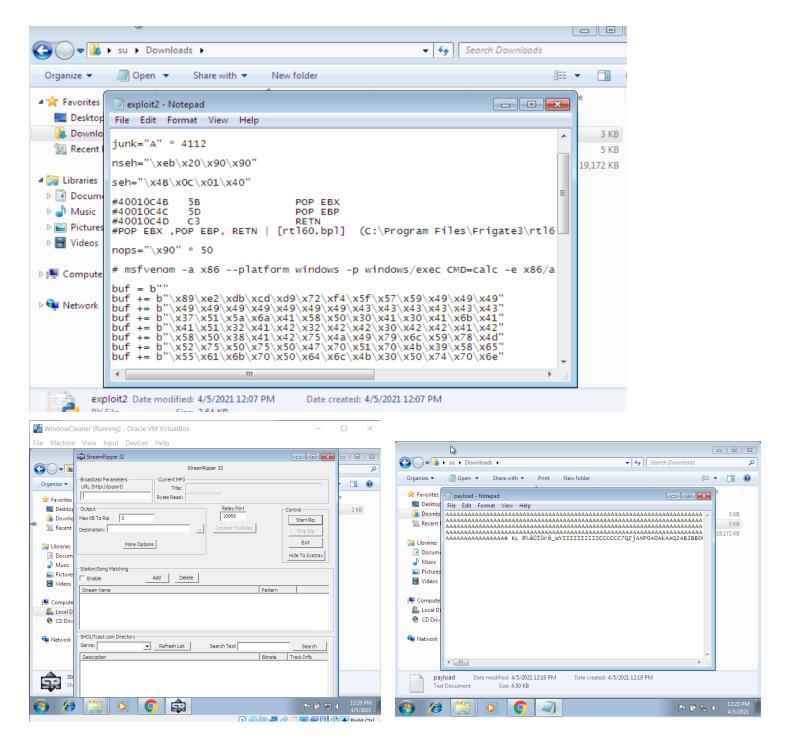
## SUKHMANI SANDHU 18BCE7155

DATE: 12-04-2021

For this task too, we will be using our windows 7 virtual instance and will install and unzip the exploit and application.

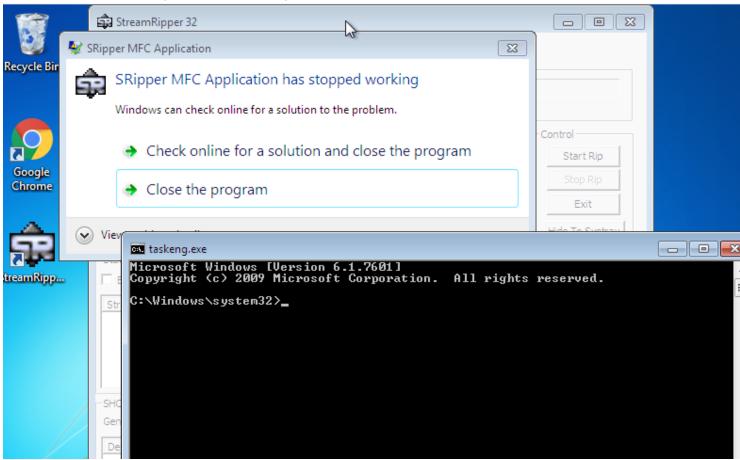
Previously, we had gone through the triggering of the calc.exe and cmd.exe





Now we go ahead and crash the app. This is caused by a buffer overflow from the payload. And this will trigger a message, like below.





Now, we execute commands that will allow the erasure of the hdd

## We will try to erase with Zeros

(cmd: format /?)

```
Administrator: C:\Windows\System32\cmd.exe-format C:/fs:NTFS/p:1

Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Windows\system32\format C: /fs:NTFS /p:1
The type of the file system is NTFS.

WARNING, ALL DATA ON NON-REMOVABLE DISK
DRIVE C: WILL BE LOST!
Proceed with Format (Y/N)? Y
Formatting 32666M

Format cannot run because the volume is in use by another process. Format may run if this volume is dismounted first.
ALL OPENED HANDLES TO THIS VOLUME WOULD THEN BE INVALID.
Would you like to force a dismount on this volume? (Y/N) Y
```

Since access is denied, let us try DISKPART ERASURE:

```
C:\Windows\system32>diskpart
Microsoft DiskPart version 6.1.7601
Copyright (C) 1999-2008 Microsoft Corporation.
On computer: SU-PC
DISKPART> list disk
  Disk ###
                 Status
                                      Size
                                                   Free
                                                                Dyn
                                                                       Gpt
                                                         0 B
  Disk 0
                 Online
                                         32 GB
DISKPART> select disk Ø
Disk 0 is now the selected disk.
DISKPART> clean
Virtual Disk Service error:
Clean is not allowed on the disk containing the current boot,
system, pagefile, crashdump or hibernation volume.
DISKPART>
```

Yet again, we face the same issue: because the disk we are trying to erase is the boot disk.