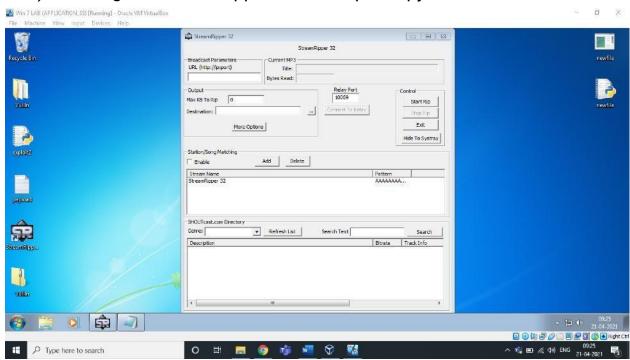
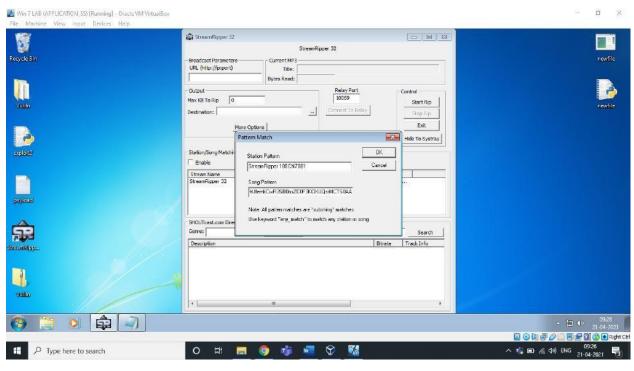
CSE2010 Lab-9

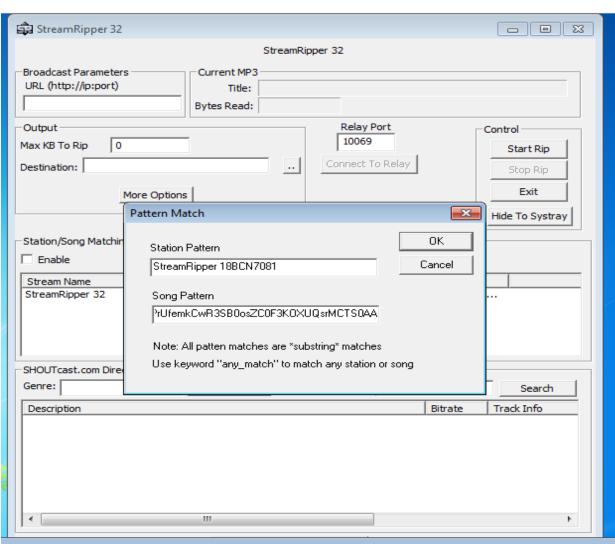
Ginjupalli Lekhana devasena 18BCE7207 L39+L40

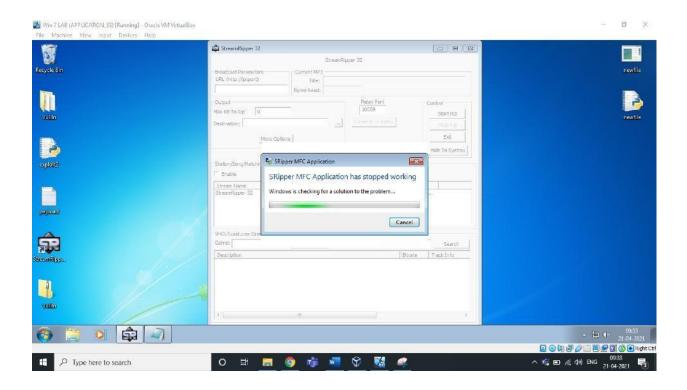
Lab experiment - Working with the memory vulnerabilities – Part III

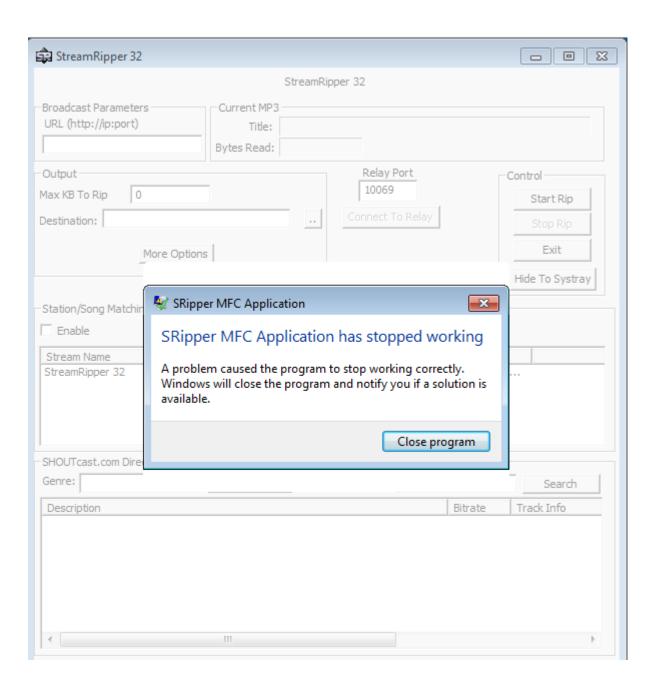
1) Crashing the StreamRipper32 with exploit2.py

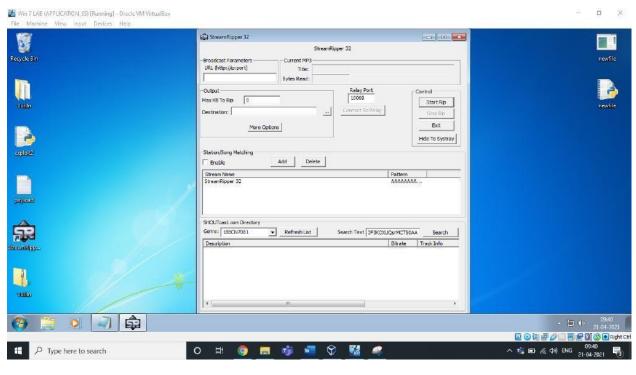


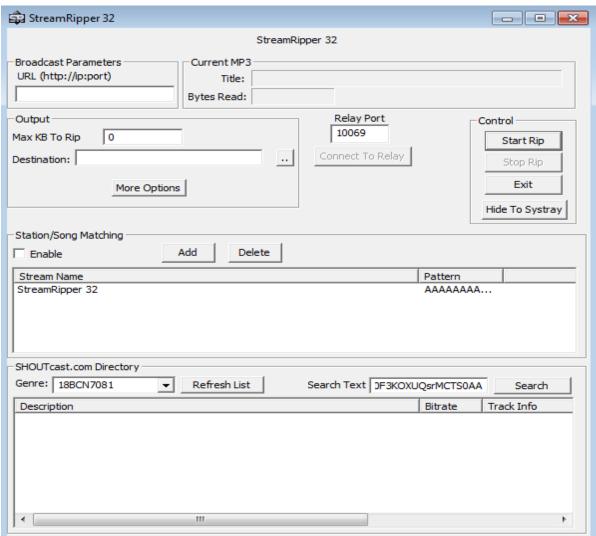


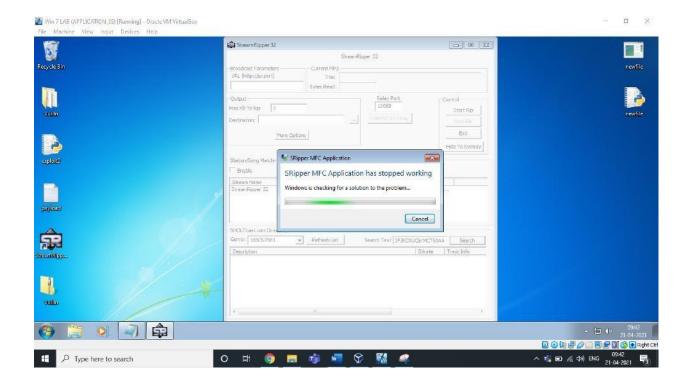












Changing the Trigger:

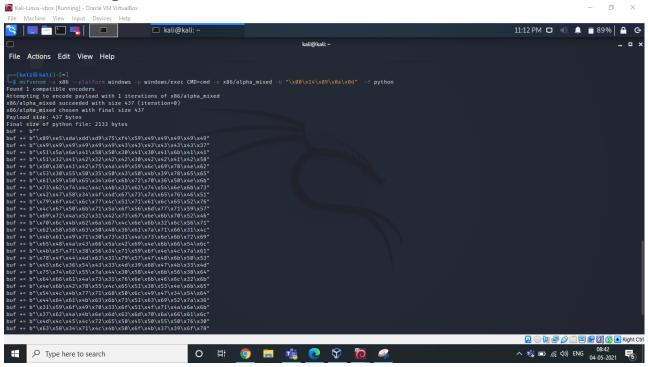
Necessary Prerequisite steps to be done:

- 1) Crashing the Application
- 2) Find EIP
- 3) Control ESP
- 4) Identify Bad Characters
- 5) Find JMP ESP

We have already carried out these steps in last experiment i.e.

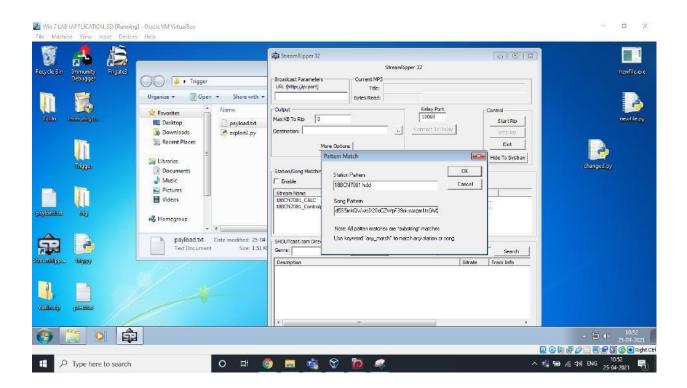
Part II So let's continue to trigger cmd to erase our HDD.

Generating ShellCode



Exploit

Paste the payload generated using above script in any user interaction field, Like shown below.



```
Administrator C:\Windows\System32\cmd.exe

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

C:\Windows\system32>__
```

By using diskpart, we can erase hdd.

Analysis & Vulnerability:

Buffer Overflow is the Vulnerability in this 32 bit application. We have inserted an exploit of many characters in the field which overflowed and caused the application to crash itself. It is not capable of handling those many characters given to match/add in the song pattern. That's why it crashed.