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### Task:1

# 1. Dos attack using nmap commands:

The use of nmap, a network exploration and security auditing tool,to conduct a DoS attack against a target system or a website.

### **Commands:**

\$sudo msfconsole use auxiliary/dos/tcp/synflood set RHOSTS mitkundapura.com run

# 2. Sql empty password enumeration scanning using nmap:

By using various scanning techniques, nmap can determine which ports are open and what services are running on those ports. In the case of SQL empty password enumeration scanning, nmap is used to identify SQL servers that have open ports for SQL services and are vulnerable to empty password attacks.

# **Command:**

\$nmap -p -script ms-sql-info -script-args mssql.instance-port=1433 mitkundapura.com

# 3. Vulnerability scan using nmap:

The process of using the network exploration and security auditing tool, nmap, to identify potential security weaknesses in a target system or website.

## Command:

\$ nmap -sV --script vuln mitkundapura.com

```
File Actions Edit View Help

cscript src-*assets/js/jouery.min.js*>d/script>
de-Bootstrap bundle Win JS ->
cscript src-*assets/js/hootstrap.bundle.min.js*>d/script>
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cscript src-*assets/js/meanmeu.min.js*>d/script>
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de-Soript src-*assets/js/owl.carousel.min.js*>d/script>
de-Soript src-*assets/js/owl.carousel.min.js*>d/script>
de-Contact JS ->
cscript src-*assets/js/owl.carousel.min.js*>d/script>
de-Contact JS ->
cscript src-*assets/js/contact-form-script.js*>d/script>
de-Contact JS ->
cscript src-*assets/js
```

# 4. Create a password list using charecters "fghy" the password should be minimum and maximum length 4 letters.

Generate all possible combinations of the characters "fghy" with a length of 4 characters and output them to a file called "wordlist.txt". We can adjust the minimum and maximum length by changing the first two parameters (4 4 in this example) to the desired values.

### **Command:**

\$crunch 4 4 fghy -o worldlist.txt

```
(kali® kali)-[~]
$ crunch 4 4 fghy -o wordlist.txt
Crunch will now generate the following amount of data: 1280 bytes
0 MB
0 GB
0 TB
0 PB
Crunch will now generate the following number of lines: 256
crunch: 100% completed generating output

(kali® kali)-[~]
$ echo shreyas
shreyas

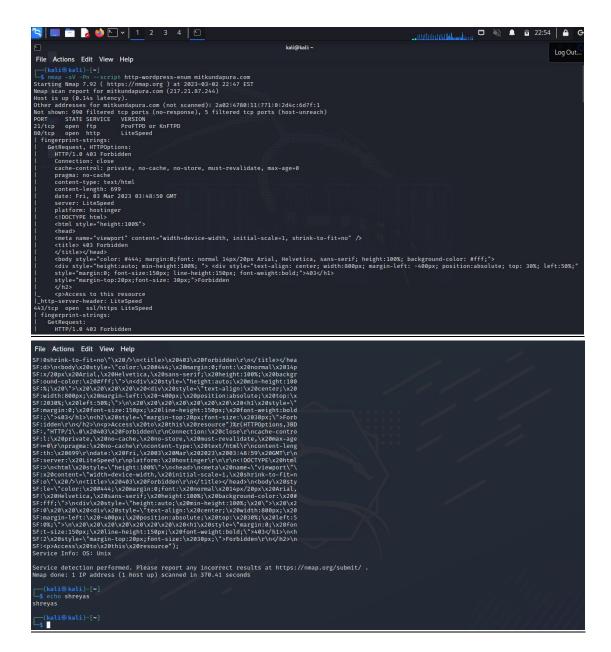
(kali® kali)-[~]
$ "
```

## 5. Wordpress scan using nmap:

The process of using the network exploration and security auditing tool nmap to identify WordPress installations on a target system and gather information about the WordPress site, plugins, and themes that are being used.

## Command:

\$nmap -sV --script http-wordpress-enum mitkundapura.com



### 6. What is use of HTTrack?command to copy website?

HTTrack is a free and open-source offline browser utility that allows you to download a website from the Internet to a local directory on your computer. It creates a copy of the website with all the directory structure, HTML, images, and other media files that are required to render the website. The copied website can be browsed offline using any web browser.

## Command to copy a website:

\$httrack <a href="https://www.kali.org">https://www.kali.org</a> \$cd <a href="https://www.kali.org">www.kali.org</a> \$cat rss.xml

```
-(kali@ kali)-[~]
-$ httrack https://www.kali.org/
Mirror launched on Thu, 02 Mar 2023 02:30:57 by HTTrack Website Copier/3.49-4+libhtsjava.so.2 [XR6CO'2014]
mirroring https://www.kali.org/ with the wizard help...
^Chttps://www.kali.org/images/nethunter-pro-phone.jpg (15062 bytes) - OK
** Finishing pending transfers. press again ^C to quit.
Done.08: https://www.kali.org/docs/virtualization/install-qemu-guest-vm/libvirt-6.png (0 bytes) - -1
Thanks for using HTTrack!
     2022-12-06-ZAP-Report- backblue.gif Documents fade.gif hts-cache index.html Music Public Templates
2022-12-06-ZAP-Report-.html Desktop Downloads HEY.txt hts-log.txt mitkundapura.com Pictures shreyas.exe Videos
    ___(kali⊕ kali)-[~]

$ cd www.kali.org
    ___(kali⊕ kali)-[~/www.kali.org]
   about-us cdn-cgi contact docs get-kali images index.min3ef3.js kali-nethunter partnerships rel
blog community css features get-kali.min44a4.html index.html index.mine839.css newsletter plugins rss
  File Actions Edit View Help
  6lt;h3 id="long-term-packaging-and-maintenance-of-high-profile-tools">Long Term Packaging and Maintenance of High Profile Tools
   outy/ns/
Bit;p>Many of the tools in our toolbox need to be "bleeding edge". This means we have take on the task of p
ackaging and maintaining upstream versions of many tools, so that our users are constantly kept up to date where it matters.&lt
 ackaging and maintaining upstream versions of many tools, so that our users are constantly kept up to date where it matters.dtc;/p>
6lt;h3 id="streamlined-development-process">Streamlined Development Process6lt;/h3>
6lt;p>As our source packages are now also Debian compliant, you can quickly and easily get the required sources of each tool, then modify and rebuild them with a couple of commands.6lt;/p>
6lt;h3 id="bootstrap-builds-and-iso-customizations">Bootstrap Builds and ISO Customizations6lt;/h3>
6lt;p>One of the many benefits of our move to a Debian compliant system, is the ability to Bootstrap a Kali Installation/ISO di rectly from our repositories. This means that you can easily 6lt;a href="https://www.kali.org/docs/development/live-build-a-custom-kali-iso/">build your own customizations of Kali6lt;/a>, as well as perform 6lt;a href="https://www.kali.org/docs/installation/network-pxe/">benterprise network installa6lt;/a> from a local or remote repository.6lt;/p>
6lt;h3 id="automating-kali-installations">salutomating Kali Installations6lt;/h3>
6lt;p>Rait linux installations can now be automated using pre-seed files. This allows for enterprise wide customization and dep loyment on multiple systems.6lt;/p>
6lt;h3 id="real-arm-development">keal ARM Development6lt;/h3>
6lt;p>Rait id="real-arm-devel
 ecurity@lt;/a> has donated a Calxeda ARM cluster to our project, allowing reliable and long term development of Kali Linux ARM images.@lti;/p> @lt;h3 id="complete-desktop-environment-flexibility">Complete Desktop Environment Flexibility.@lt;/h3> @lt;p>Our new build and repository environments allow for complete flexibility in generating your own updated Kali ISOs, with a ny desktop environment you like. Do you prefer KDE? LXDE? XFCE? Anything else? Then @lt; href="https://www.kali.org/docs/development/live-build-a-custom-kali-iso">change your Kali desktop environment@lt;/a> yourself.@lt; hps @lt;pa id="seamless-upgrades-between-future-major-versions">Seamless-upgrades Between Future Major Versions@lt;/p> @lt;pa id="seamless-upgrades flow the move to a Debian compliant system is the ability to seamless!y upgrade future major version of Kali. No longer will you have to reinstall your penetration testing machine due a new version of Kali coming out.@lt;/p> @lt;p>With all these changes (and many more), you can see why we@amp;rsquo;re so excited about this release. Go ahead and give Kali a spin. Head on to the @lt;a href="https://www.kali.org/docs/">documentation area@lt;/a> for some setup guides, and then o ver to our @lt;a href="https://forums.kali.org/">forums@lt;/a> and join the new Kali community!@lt;/p> description>
            -(kali® kali)-[~/www.kali.org]
$ echo shreyas
```