# **MODULE 1-4**

1. Install VirtualBox or VMware. Set up a virtual machine with any Linux distribution (preferably Kali Linux).



2. Install Kali Linux in your virtual machine and update it..



**3.** Explore the applications menu in Kali Linux. List 5 tools and their purpose.



## 1. Nmap:

A network scanner used for discovering hosts and services on a network. It helps identify open ports, operating systems, and running services.

## 2. Wireshark:

A packet analyzer that captures and inspects network traffic. It's used to analyze network communication, diagnose issues, and identify security vulnerabilities.

## 3. Metasploit:

A penetration testing framework that provides tools and modules for identifying, exploiting, and validating vulnerabilities. It's used for simulating attacks and testing system security.

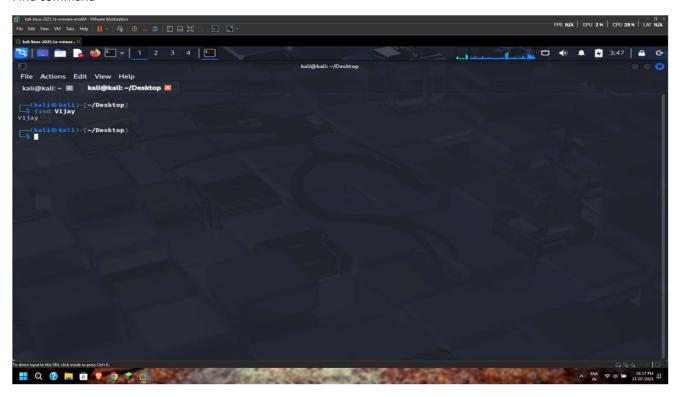
#### 4. Burp Suite:

A web application security testing tool that includes features for intercepting, analyzing, and modifying HTTP requests and responses. It's used for finding vulnerabilities in web applications.

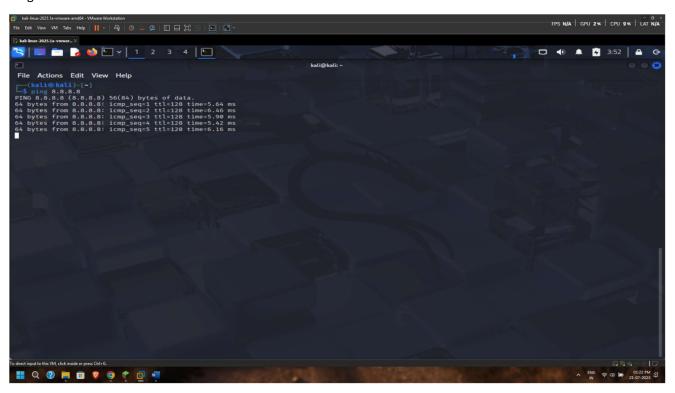
#### 5.Nikto

Nikto is a vulnerability scanner for assessing the security of web servers and applications. It scans web environments for potential vulnerabilities, misconfigurations, and security risks.

- 4. Execute the following Linux commands:
  - o Find command



o Ping command



o Traceroute command



## o Whoami command



## o Ps

## command

