UNIVERSITI MALAYSIA TERENGGANU

SEMESTER 1 2023/2024

CYBER SECURITY CSF3233

LAB 1

PREPARED FOR:

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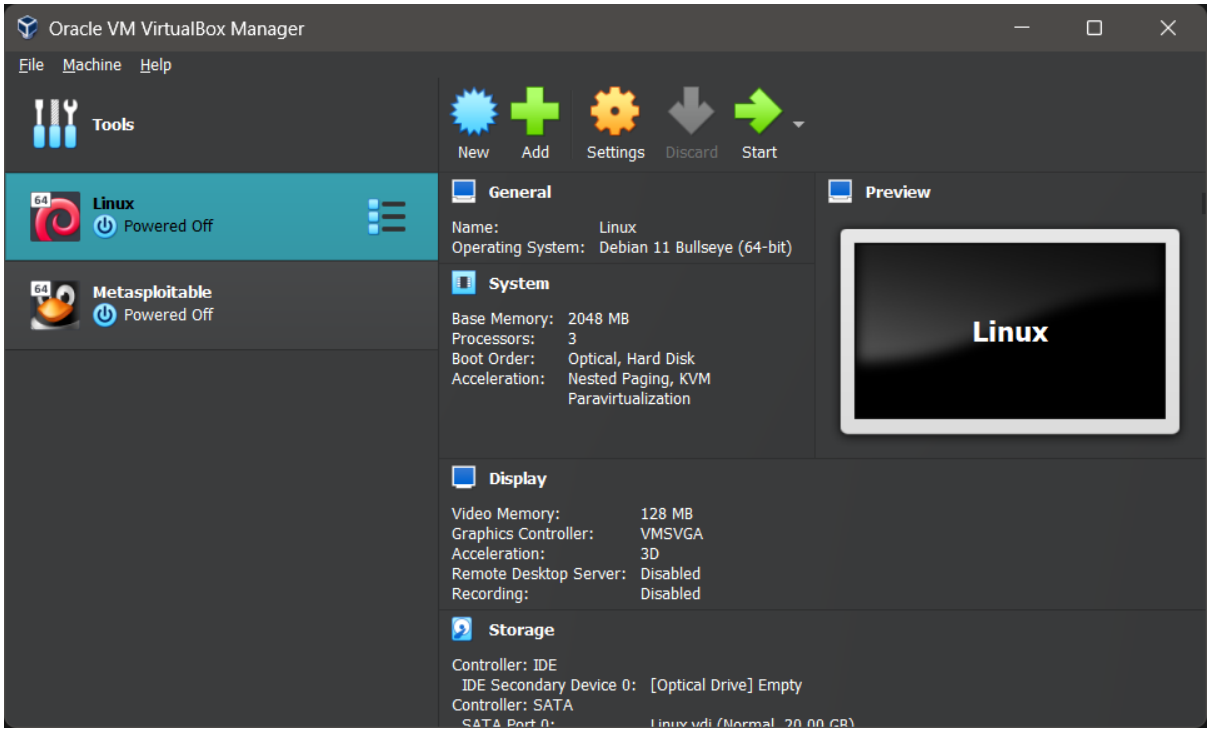
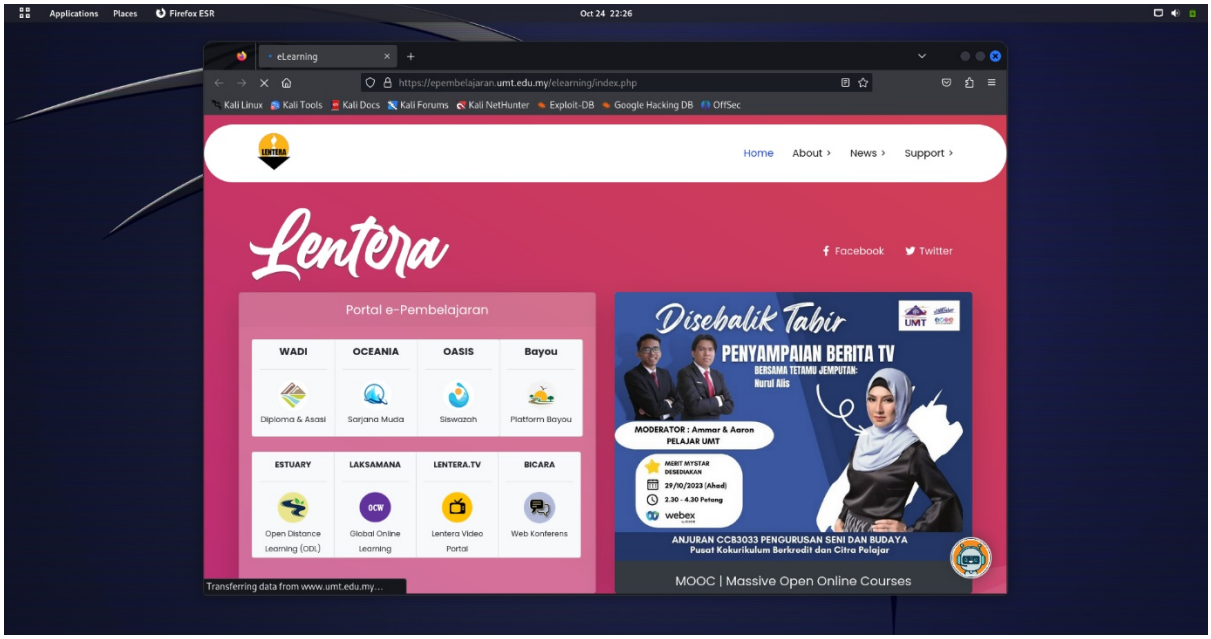
PREPARED BY:

ARUN MUGILAN A/L SARGUNAN S63746


Oracle VM VirtualBox Manager
File
Machine
Help
Tools
New
Add
Settings
Discard
Start
Linux
Powered Off
Metasploitable
Powered Off
General
Name: Linux
Operating System: Debian 11 Bullseye (64-bit)
System
Base Memory: 2048 MB
Processors: 3
Boot Order: Optical, Hard Disk
Acceleration: Nested Paging, KVM
Paravirtualization
Preview
Linux
Display
Video Memory: 128 MB
Graphics Controller: VMSVGA
Acceleration: 3D
Remote Desktop Server: Disabled
Recording: Disabled
Storage
Controller: IDE
IDE Secondary Device 0: [Optical Drive] Empty
Controller: SATA

Applications
Places
Oct 24 22:25
KALI LINUX
"the quieter you become, the more you are able to hear"


Applications
Places
Firefox ESR
Oct 24 22:26
eLearning
https://epembelajaran.umt.edu.my/elearning/index.php
Kali Linux
Kali Tools
Kali Docs
Kali Forums
Kali NetHunter
Exploit-DB
Google Hacking DB
OffSec
Home
About
News
Support
Lentera
Facebook
Twitter
Portal e-Pembelajaran
WADI
OCEANIA
OASIS
Bayou
Diploma & Asasi
Sarjana Muda
Siswazah
Platform Bayou
ESTUARY
LAKSAMANA
LENTERA.TV
BICARA
Open Distance Learning (ODL)
Global Online Learning
Lentera Video Portal
Web Konferens
Disebalik Tabir
PENYAMPAIAN BERITA TV
BERSAMA TETAMU JEMPUTAN:
Nurul Alis
MODERATOR : Ammar & Aaron
PELAJAR UMT
MERIT MYSTAR DISEDIAKAN
29/10/2023 (Ahad)
2.30 - 4.30 Petang
webex
ANJURAN CCB3033 PENGURUSAN SENI DAN BUDAYA
Pusat Kokurikulum Berkredit dan Citra Pelajar
MOOC | Massive Open Online Courses
Transferring data from www.umt.edu.my...

REFLECTION QUESTIONS

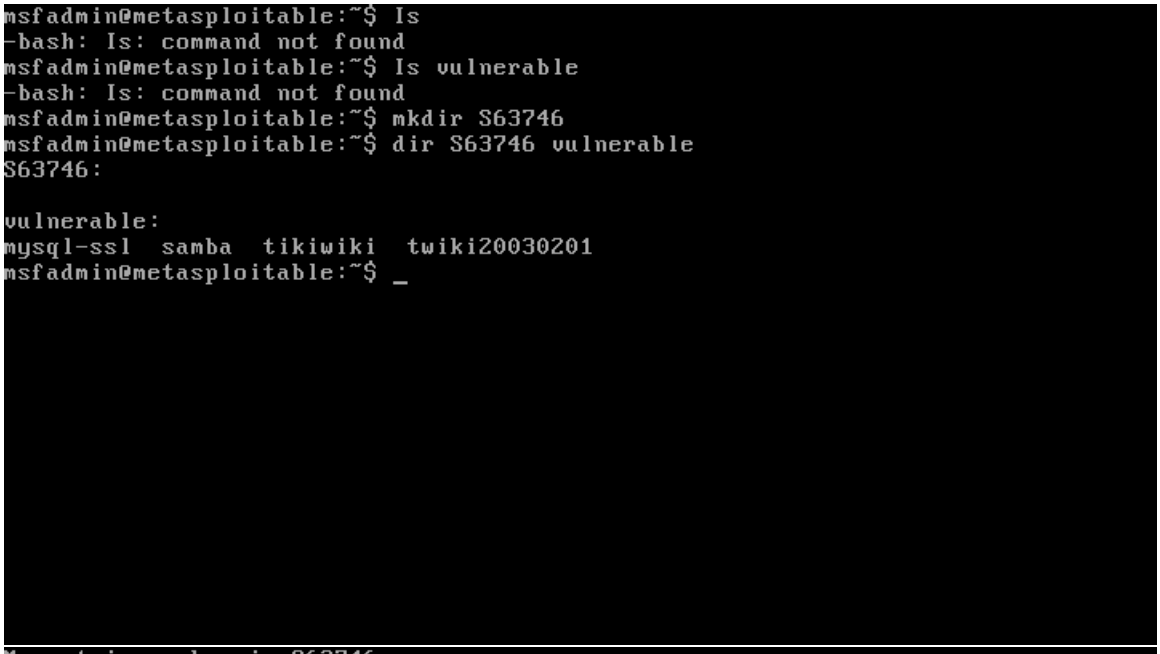
1. **What is Virtual Box and what are their benefits?**
2. **What are the types of virtualization available?**
3. **Give four reasons for using Virtual Box.**

1. The most widely used open source cross-platform virtualization programme in the world, Oracle VM VirtualBox, helps developers to produce code more quickly by allowing them to run different operating systems on a single device.
2. Types of virtualization
    - Desktop virtualization.
    - Network virtualization.
    - Storage virtualization.
    - Data virtualization.
    - Application virtualization.
    - Data center virtualization.
    - CPU virtualization.
    - GPU virtualization.
3. Running numerous operating systems at the same time. Oracle VM VirtualBox allows you to run multiple operating systems at the same time. Software installation is simplified. Disaster recovery and testing. Infrastructure reorganisation. It enables users to install and run different operating systems at the same time by allowing them to create and run virtual machines on their PCs.

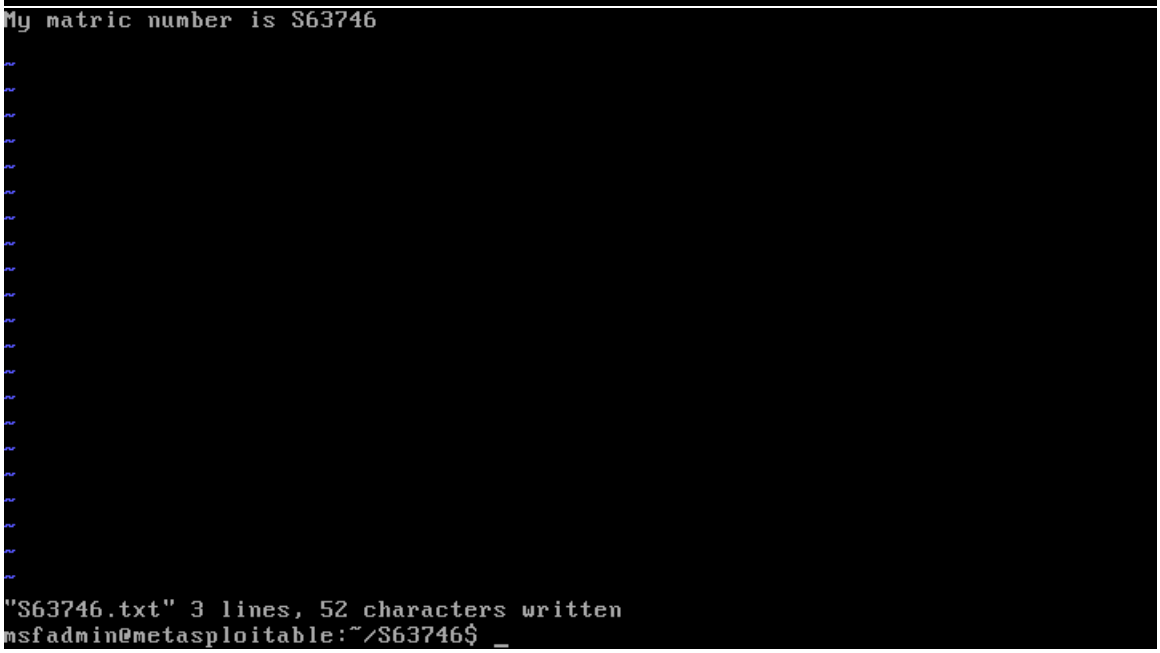
REFLECTION QUESTIONS

1. **Based on your understanding, what is Kali Linux?**
2. **What is Kali Linux used for?**
3. **Give five reasons for using Kali Linux.**

1. It is an operating system designed for conducting security assessments, network testing, and digital forensics
2. Kali Linux is mostly used to launch advanced-level security audits and penetration tests. The operating system includes a plethora of tools for activities such as information security, security research, penetration testing, reverse engineering, and computer forensics.
3. Reasons to use Kali Linux
    - There are almost 600 penetrating tools provided.
    - Compliance with the file-system hierarchy standard.
    - Navigate to the development tree.
    - Support for multiple languages.
    - Totally customisable.
    - Support for a wide range of wireless devices.


msfadmin@metasploitable:~$ ls
-bash: ls: command not found
msfadmin@metasploitable:~$ ls vulnerable
-bash: ls: command not found
msfadmin@metasploitable:~$ mkdir S63746
msfadmin@metasploitable:~$ dir S63746 vulnerable
S63746:

vulnerable:
mysql-ssl samba tikiwiki twiki20030201
msfadmin@metasploitable:~$ _


My matric number is S63746
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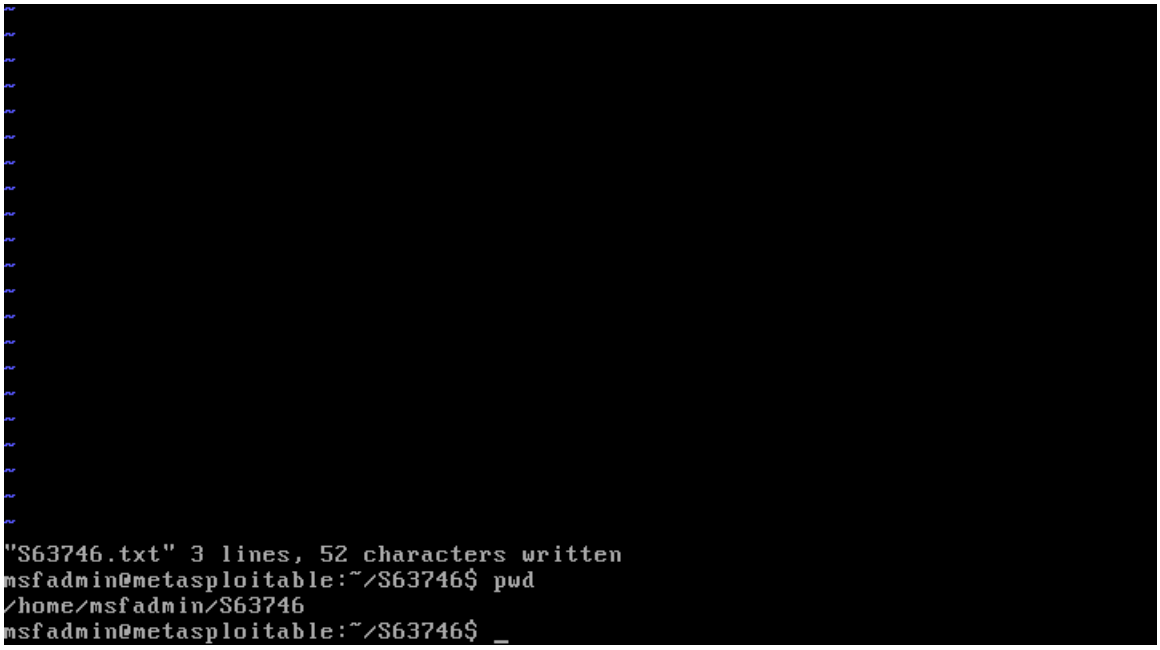
msfadmin@metasploitable:~/S63746$ _


"S63746.txt" 3 lines, 52 characters written
msfadmin@metasploitable:~/S63746$ pwd
/home/msfadmin/S63746
msfadmin@metasploitable:~/S63746$ _