UNIVERSITY MALAYSIA TERENGGANU

FACULTY OF OCEAN ENGINEERING TECHNOLOGY & INFORMATICS

COURSE:

CSF3404-CYBER SECURITY

TASK:

LAB 1(K2)

PREPARED BY:

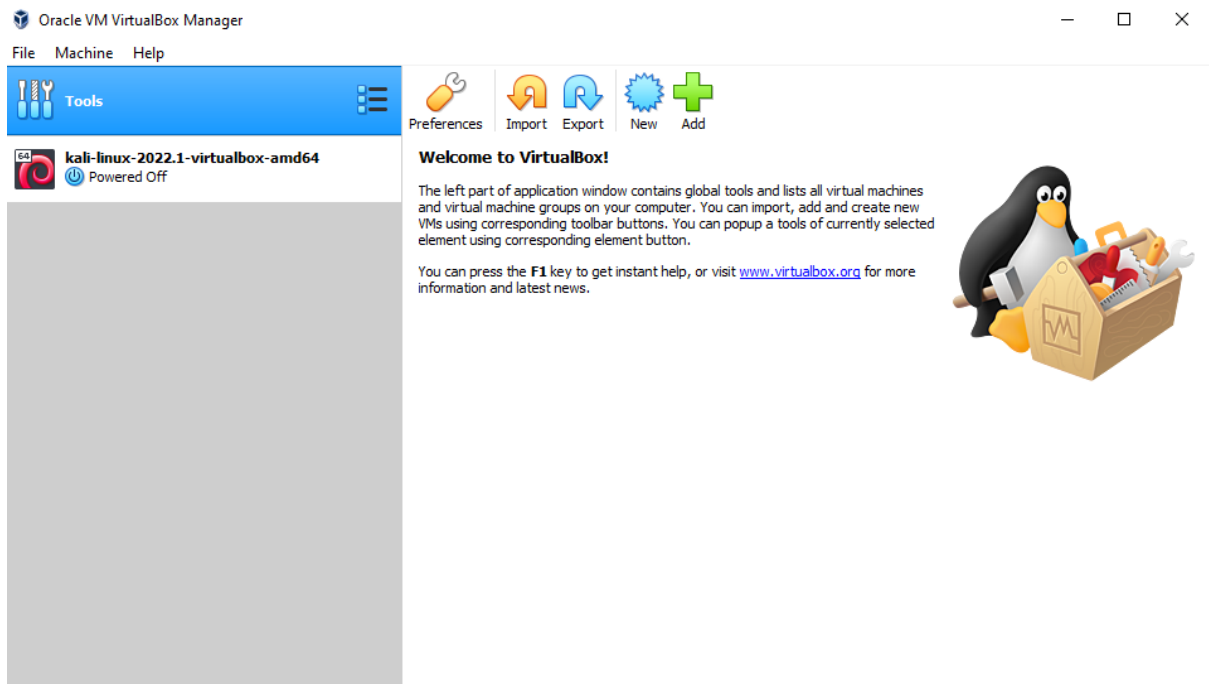Muhammad Irash Ibnur bin Omar (S55851)

PREPARED FOR:

DR. WAHEED ALI HUSSEIN MOHAMMED GHANEM
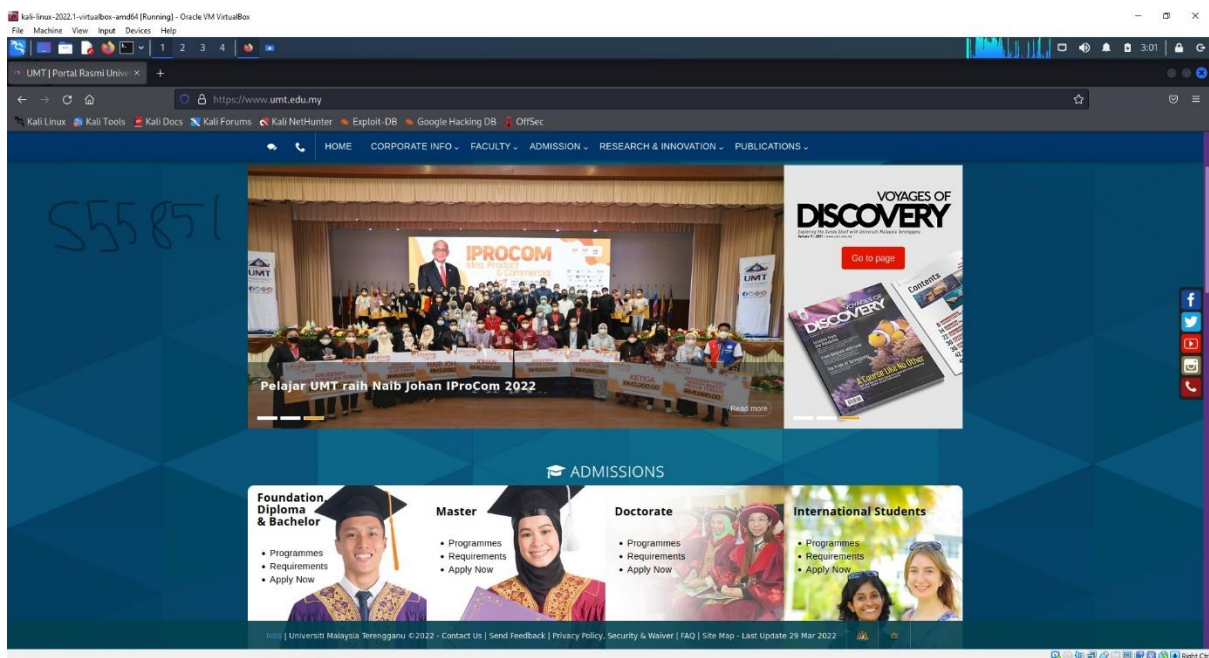
PROGRAMME:

COMPUTER SCIENCE (SOFTWARE ENGINEERING)

SEMESTER IV 2020/2021
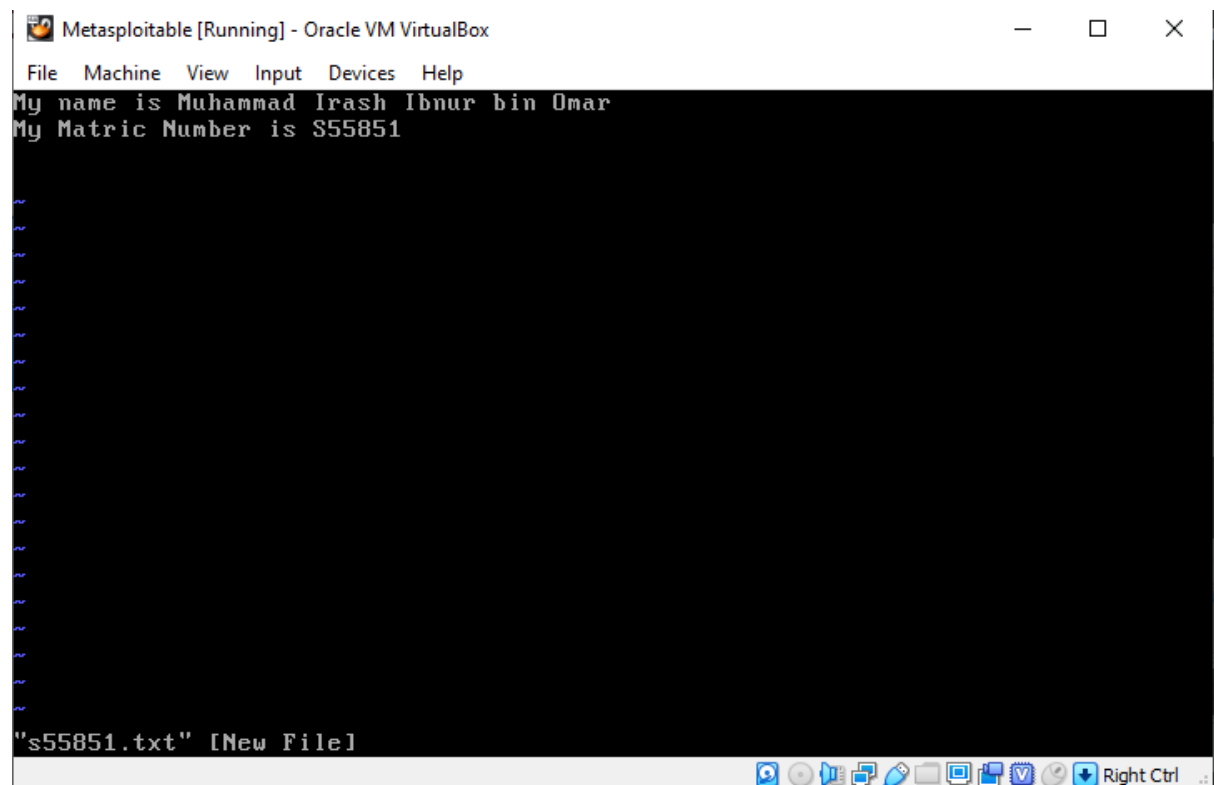
Task 1:Run the virtual box

Task 2: Setup Kali Linux

Task 3: Setting And Running Metasploitable Image

```
msfadmin@metasploitable:~$ ls
vulnerable
msfadmin@metasploitable:~$ mkdir s55851
msfadmin@metasploitable:~$ dir
s55851   vulnerable
msfadmin@metasploitable:~$
```

Metasploitable [Running] - Oracle VM VirtualBox — □ ×

File   Machine   View   Input   Devices   Help

```
My name is Muhammad Irash Ibnur bin Omar
My Matric Number is S55851

~
~
~
~
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~
~
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~
~
~
~
~
~
~
"s55851.txt" [New File]
```

Right Ctrl

```
"s55851.txt" [New File] 4 lines, 70 characters written
msfadmin@metasploitable:~/s55851$ pwd
/home/msfadmin/s55851
msfadmin@metasploitable:~/s55851$ _
```

Right Ctrl

REFLECTION QUESTIONS TASK 1

What is Virtual Box and its Benefits?

- Virtual Box is a general-purpose virtualization tool for x86 and x86-64 hardware, targeted at server, desktop, and embedded use, that **allows users and administrators to easily run multiple guest operating systems on a single host**.

What are the types of virtualization Available?

- OS Virtualization—aka Virtual Machines.
- Application-Server Virtualization.
- Application Virtualization.
- Administrative Virtualization.
- Network Virtualization.
- Hardware Virtualization.
- Storage Virtualization.

Give four reason for Using Virtual Box

1. Trying new operating system
2. Run old or incompatible software
3. Develop Software for other platforms
4. Handle Potential Malware Safely

REFLECTION QUESTIONS TASK 2

What is Kali Linux?

-Kali Linux is an open-source, Debian-based Linux distribution

What is Kali Linux used for?

-Kali Linux is an open-source, Debian-based Linux distribution geared towards various information security tasks, such as **Penetration Testing, Security Research, Computer Forensics and Reverse Engineering**

Give five reason for using Kali Linux

1. More than 600 penetration tools
2. Adherence of file system hierarchy standard
3. Open development tree
4. Support multiple language
Customizable