

CYSE 270: Linux System for Cybersecurity

Assignment: Lab 1 – Create a Virtual Machine

Overview

The goal of this lab is to guide you through the process of installing the operating system that you will use for the remainder of this course.

Task A Create a Linux VM

1. Install Kali Linux VM in Oracle Virtual Box.
 - a. Install Kali Linux as your virtual machine (VM) operating system.

Note: During the VM creation process, you can allocate different amounts of memory and CPU cores depending on the hardware configuration of your physical computer.

Task B: Command Practice

Once you have installed the VM, follow these steps:

1. Open the terminal in your VM.
2. Execute the following commands and **briefly explain** what each command does:
 - a. `echo "your_name"` (replace "**your_name**" with your actual name)
 - b. `date` Displays date.
 - c. `ls` Lists directories.
 - d. `pwd` Shows full path of current directory.

Submission Instructions

1. Take a screenshot of the terminal in your VM after you have executed all four commands listed in **Task B**.
2. Submit your screenshot in a PDF file via Canvas.

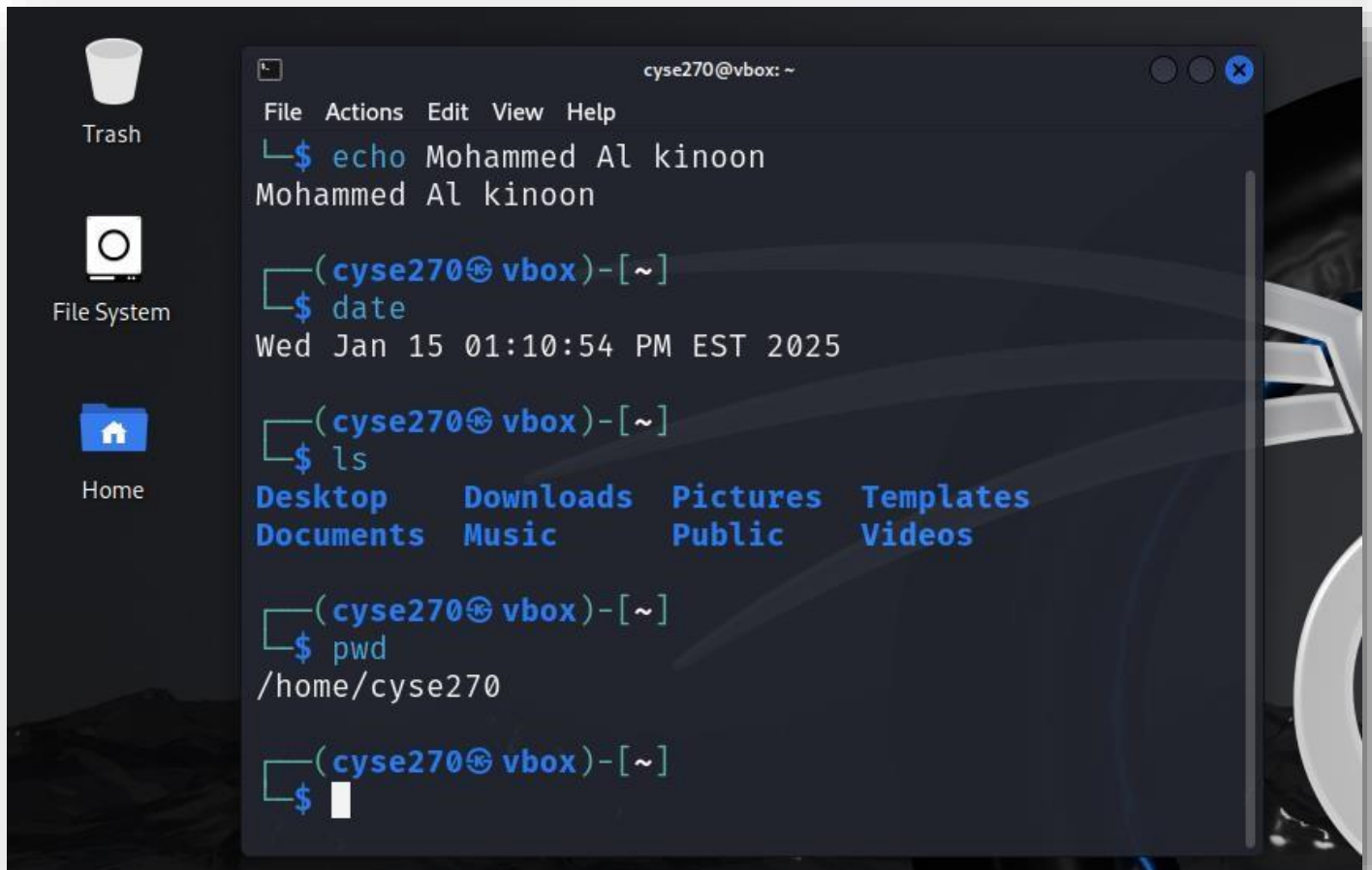
Screenshot Requirements:

The screenshot must display the very first screen after VM installation, showing all four commands executed in the terminal (**See below**).

Grading:

This lab is worth **100 points**. Ensure that your screenshot clearly shows the terminal with the executed commands as specified.

Example Screenshot



Please refer to the example screenshot provided below, which demonstrates what your submission should look like.



File Actions Edit View Help

(kevin@kali)-[~]

\$ echo "Kevin Loarca"

Kevin Loarca

(kevin@kali)-[~]

\$ date

Sat Aug 30 07:18:40 PM EDT 2025

(kevin@kali)-[~]

\$ ls

Desktop Documents Downloads Music Pictures Public Templates Videos

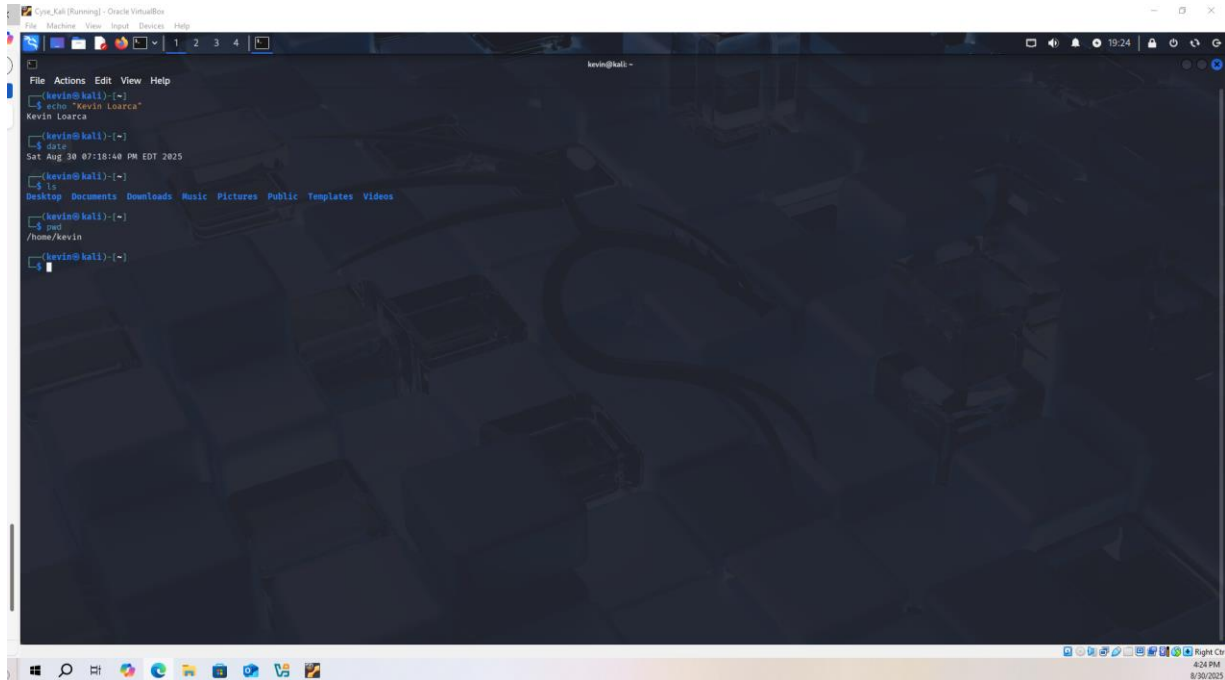
(kevin@kali)-[~]

\$ pwd

/home/kevin

(kevin@kali)-[~]

\$



Reflection

The installation process for both programs was simple, as I had previously installed similar programs from different courses. The commands I was required to use were also familiar, so I had no trouble understanding what it does for now.