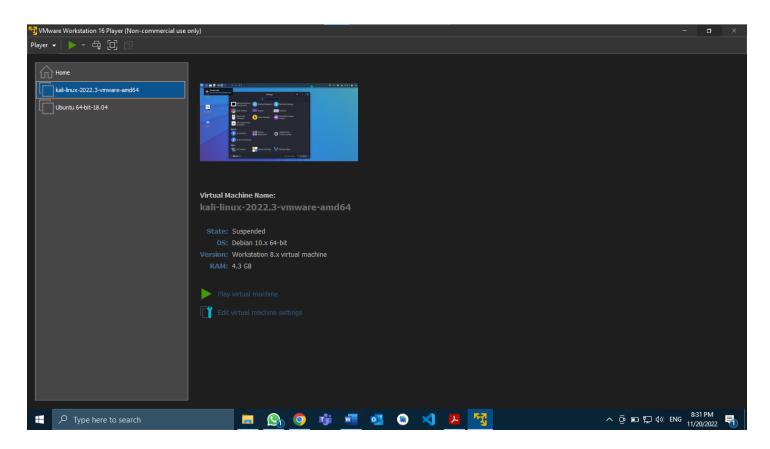


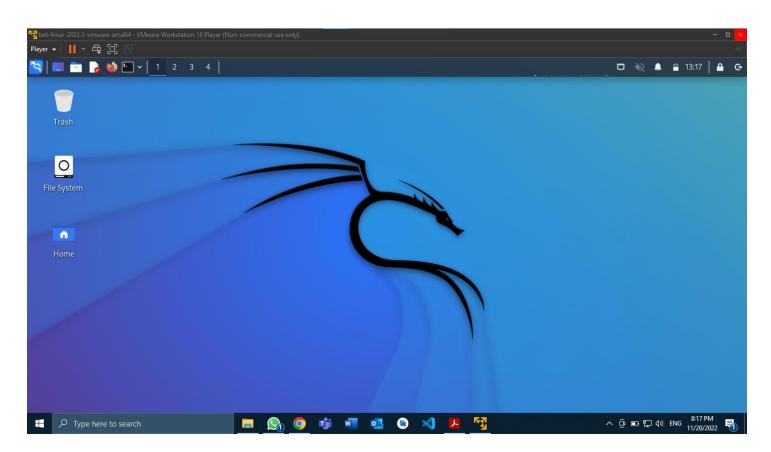
Lab Report 2

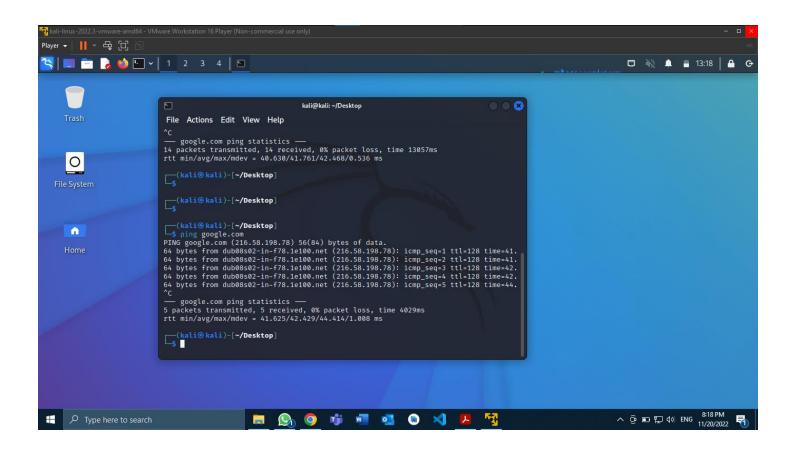
CSE451, Computer and Networks Security

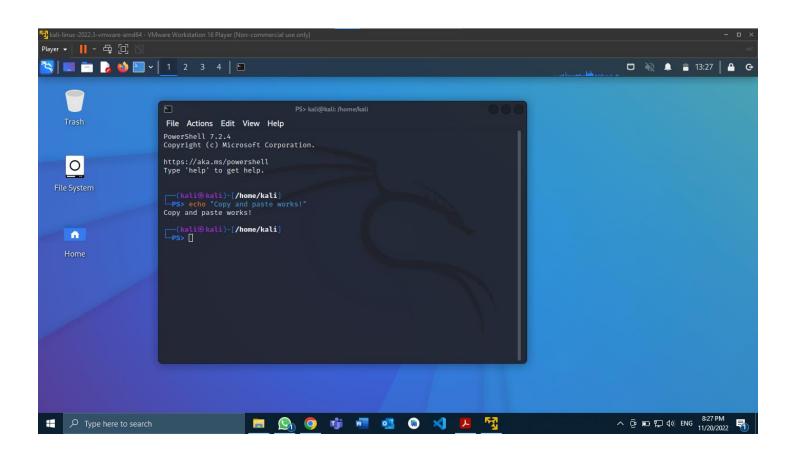
Name:	Ahmed Khaled Saad Ali Mekheimer		ID:	18	809799				
Lab No: (2)	Experiment Title: Installing Basic tools Part 2								
		Date:	20 /	11	/20 <mark>22</mark>				
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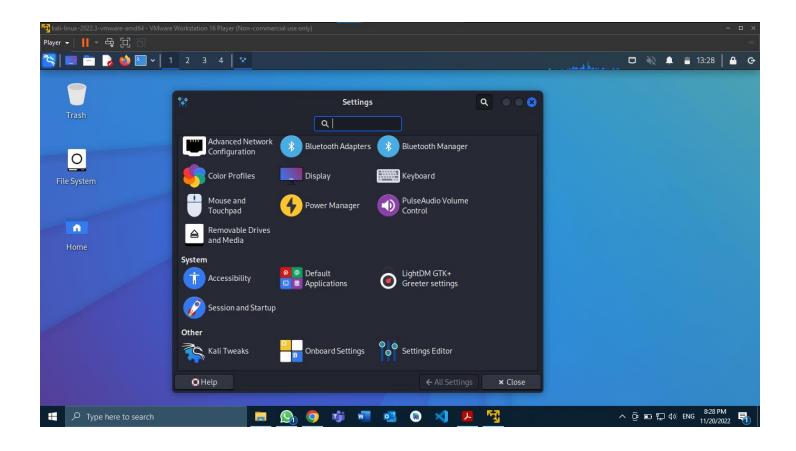
Screenshots:

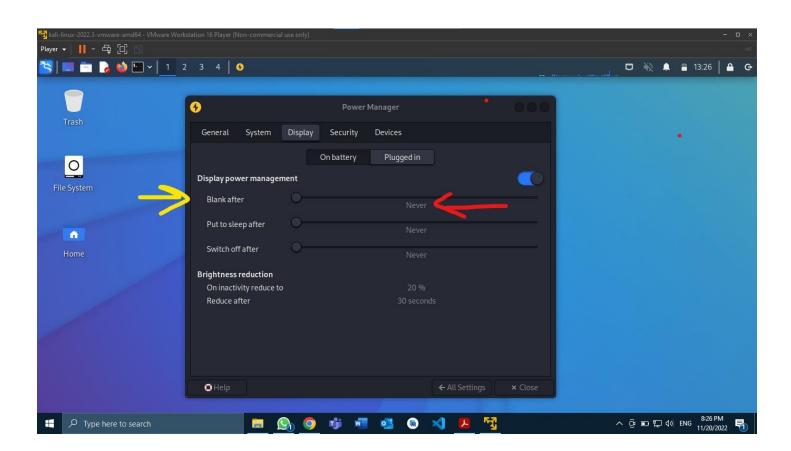


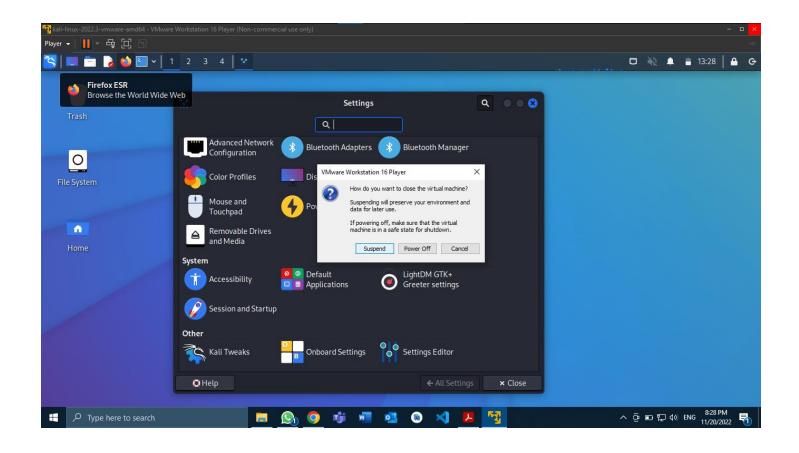












Key Features of KALI Linux Distribution

1. Full Customization

Kali ISOs can be completely customized. It is always simple to generate an optimized version of Kali for your particular requirements by making use of metapackages that have been optimized for particular need sets of security professionals and a highly accessible ISO customization process.

2. Live USB Boot

This allows you to place Kali onto a USB device, and boot without touching the host operating system which is also good for forensics work. You can choose persistence volume(s) and you can have opt to pick what file system to use when Kali starts up which allows for files to be saved between sessions, which will create multiple profiles. Each persistence volume have possibility of being encrypted important feature needed in our work.

3. Kali Undercover

Using Kali in an environment where you don't want to be noticed? Kali Undercover helps you by blending into a familiar operating system that the majority of people are familiar with to stop shoulder surfers.

4. Win-KeX

Using Kali on WSL? This provides a Kali Desktop Experience for Windows Subsystem for Linux (WSL), with seamless windows, clipboard sharing, audio support and more.

5. Kali NetHunter

Kali can be on your (Android) phone and smart watch, which provides multiple items, such as a ROM overlay for multiple devices, NetHunter App, and NetHunter App Store. In addition, you also boot into a "full desktop" using chroot & containers, as well as "Kali NetHunter Desktop Experience (KeX)".

6. Kali Linux Full Disk Encryption

Kali Linux LUKS Full Disk Encryption (FDE). The ability to encrypt the whole hard drive of our critical penetration testing computer drive is a vital feature needed in the industry.

7. Kali Linux Accessibility Features

This feature is specifically for visually impaired users. Kali is one of the few Linux distributions that provide both voice feedback and braille hardware support for blind or visually impaired users.

8. Forensics Mode

In general, when conducting forensic work on a system, we should refrain from doing anything that could alter the analyzed system's data in any way. Modern desktop environments, on the other hand, often try to obstruct this goal by doing auto-mount any disks they find. To stop this from happening, Kali Linux provides a forensics mode that can be turned on from the boot menu. It disables all of these functions.

9. Kali Linux Metapackages

Mastering Kali Linux tool sets with Kali Metapackages-Kali includes a number of meta-package collections that combine various toolsets. This makes it simple to get custom, minimized environments set up. For example, we can apt-get install kali-Linux-wireless if all we need is some wireless utilities for an impending evaluation.

10. Wide-Ranging Wireless Device Support

Supporting wireless interfaces is default point with Linux distribution. Kali Linux is capable of working with many wireless devices, enabling it to run on a wide range of hardware and connect with various USB and other wireless devices.