LINUX

It is an operating system associated with kernel. It is an open source.

Q) What makes it special?

We use Linux in cyber security. It is created by a corporate for ordinary people.

GNU Linux. The source code is open anyone can change it.

Kite

Q) How much does it cost?

Free

Q) Can I read the source code? What language is it in?

We can read source code. Free and open source software.

Q) Does it support a wide variety of platforms?

Yes

Q) How is the hardware support?

Bad

Q) What OS do supercomputers run on?

Linux

Q) What are Linux Distros?

Kali Linux, Ubuntu etc.

Q) Is android based on Linux?

Yes

Q) Who releases Linux based OS?

It depends

Q) Why do hackers prefer Linux?

Open source

Q) Who provides support?

Self

KALI LINUX

Developed by offensive security

It is based on Linux

Q) What are the alternatives?

Paratoise, black arch

For beginners in cyber security – Kali Linux is better

Dual booting – In a system we can use both OS

HYPERVISOR

Server 🡪 OS 🡪Hypervisor 🡪 OS

VMware, VirtualBox, Hyper-v , Qemv

REQUIREMENTS

RAM – 8GB to 16GB

GUI

CLI

Powershell, bash

17/12/2024

Linux file hierarchy standard

/tmp 🡪 temporary files

/user 🡪

/lib 🡪 library files

/var 🡪

Log files

Command 🡪 ping

Options 🡪 -t(windows)

Argument 🡪 google.com

Ping 🡪 /? (windows)

Ping –c 10 google.com 🡪 9 received

-c is used to take count of the ping

We try

- h and then – help

-l 🡪 -- list

-l 🡪 detailed list

drwxr-xr-x 2 kali kali 4096 Dec 16 04:16 Videos

folder name, date and time of last modified, size, ,

r 🡪 read

w 🡪 write

d 🡪 directory

nano file name

we can edit