

**Enhancing Digital Government and Economy
Cyber Security Course
Classwork-01**



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Installing Kali Linux

Sniffing

Sniffing allows the monitoring of network data without the ability to alter it.

Wireshark is commonly used for capturing and analyzing packet data during sniffing activities.

Basic Commands

Linux Terminal Commands:

1. Opening Wireshark:

- Open the terminal and type **'wireshark'**, then hit Enter. To monitor a specific network interface, use `'eth0'`.

2. Setting Display Filters:

- To view specific IP packets, use display filters:
- `'ip.address == '192.168.10.85'` — Displays packets where `'192.168.10.85'` is involved.
- `'ip.src == '192.168.10.85'` — Only packets originating from `'192.168.10.85'`.
- `'ip.dst == '192.168.10.85'` — Only packets with `'192.168.10.85'` as the destination.

(Note: Replace `'192.168.10.85'` with your specific IP address if different).

3. Finding PC's IP Address:

- Type `'ifconfig'` in the terminal to display your IP. Look for `'inet'` to find the IP.

Windows Commands:

1. Command Prompt:

- Use **'ip config /all'** to view detailed network configuration, including the IP address.
- **'systeminfo'** provides an overview of system details.

2. Run Command:

- Typing **'msinfo32'** in the Run dialog (Win + R) opens a comprehensive system information panel.