Intrusion Detection Systems Lab

**Part-1**

Graphical user interface, application

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**Part-2**

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**Part-3**

**2)**

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**10)**

a)snort is a powerful open-source intrusion detection and prevention system (IDS/IPS) that provides real-time network traffic analysis and data packet logging. To detect potentially malicious activity, snort engages a rule-based language that combines anomaly, protocol, and signature inspection methods.

b) The home network or small area network enables multiple devices e.g., PCs, tablets etc. to connect to each other, and to connect to the internet.

**Part-4**

**2)**

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7)

* OVS is a multilayer virtual switch implemented in software. It uses virtual network bridges and flow rules to forward packets between hosts. It behaves like a physical switch, only virtualized. Namespaces and instance tap interfaces connect to what is known as OVS bridge ports.
* The switch performs the function of a controller and allows the devices within a network to communicate with each other.

**Part-5**

1) **Text

Description automatically generated**

4)

Text

Description automatically generated

A screenshot of a computer

Description automatically generated with medium confidence

A picture containing text

Description automatically generated

Text

Description automatically generated

A screenshot of a computer

Description automatically generated with medium confidence

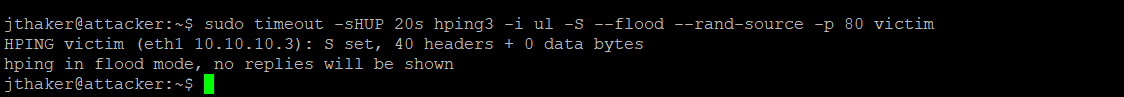
5)

A screenshot of a computer

Description automatically generated with medium confidence



6)



**Tried the following commands again after today’s morning session**:

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated with medium confidence

Text

Description automatically generated

A screenshot of a computer

Description automatically generated with medium confidence

A screenshot of a computer

Description automatically generated with medium confidence