# LAB 3 – CISCO PACKET TRACEr

### Bus Topology

Graphical user interface, application

Description automatically generated

### Star Topology

Graphical user interface

Description automatically generated

### Mesh Topology

Chart, radar chart

Description automatically generated

# Lab Tasks

### Task 1

Graphical user interface, text, application

Description automatically generated

### Task 2 (Hub vs. switch)

|  |  |
| --- | --- |
| HUB | SWITCH |
| Layer 1 Device | Layer 2 Device |
| Works on Physical Layer | Works on Data Link Layer |
| Has No Memory Space | Has Memory Space |
| High Security Risk | Low Security Risk |
| Half Duplex | Full Duplex |
| Less Efficient | More Efficient |

### Task 3

No Using Boson NETSIM in Lab

### Task 4

Graphical user interface

Description automatically generated

Cross Over wire because end hosts are same.

### Task 5

1. **User Mode**

Limited to some monitoring commands.

1. **Privileged Mode**

You can change configuration of router.

1. **Global Configuration Mode**

Create local database on router, add users, passwords in this mode.

1. **Interface Configuration Mode**

Limited to configuration of interfaces and assigning IP address to interface.

### Task 6

Tested:

1. Ipconfig
2. Ping
3. Traceroute

### Task 7

2 different networks are connected, through switches.

Graphical user interface, diagram, application

Description automatically generated