Task 1

- Two subnets: one subnet has two hosts connected via Ethernet switch, the other subnet has a single host

Setup your Network

- Select cables and devices
- Connect cables to devices
  - (Unplug cables NOT used)
- Set IP addresses using ifconfig
  - Group 1: 101.x.x.x/24
  - Group 2: 102.x.x.x/24
  - Turn off unused interfaces (ifconfig down)
- Test each connection

Configure your network

- Enable forwarding on router

- Set routing tables

Test your network

- Ping

- Web access

- Throughput (nc, wget, iperf)

- Capture traffic on router while testing

1) Select cables and devices

2) Set IP addresses using ifconfig

- Group 1: 101.x.x.x/24
- Group 2: 102.x.x.x/24
- Turn off unused interfaces (ifconfig down)

3) Enable forwarding on router

4) Set routing tables

5) Test your network

- Ping, Web Access, Throughput (nc, wget, iperf)
- Capture traffic on router while testing

6) Document your design and test results