Practical – 1

Questions

1. Explain the concept of various types of cables and its importance in networking. How does it affect network performance?

Cables are very important for any network as they are responsible for connecting two devices in a network and there are different-different cables used in network and of course each one of them has different characteristics and properties which also affects performance of overall network. Here are some of the types of cables listed:

Ethernet straight

Ethernet crossed

Co-axial cables

Optical fibres

USB cables

2. In Cisco Packet Tracer, configure a network with a hub and a switch. How do the devices connect to each other, and what are the implications for network performance?

Done.

3. In Cisco Packet Tracer, configure a network with a hub and a switch. How do the devices connect to each other, and what are the implications for network performance?

Here are the screenshots of the topology I created