**Questions 2**

Here there are questions about the information you have learned so far. By answering these questions, you can check which topics you understand well and which topics you do not understand well. You may also need to do some research on some questions. But all questions will be related to the information you learned.

Good luck.

1. What device is absolutely necessary for computers in an office to be able to connect to the internet?
2. When we want to connect to the Internet, we connect a cable that comes to our home to the home-router. Who do we purchase this cable from??
3. If a packet is to exit from the network it is in, which device does it have to go to no matter what?
4. There are millions of networks in the world. What is the name of the giant structure that connects all these networks?
5. What is the point of presence (POP)?
6. Why is the distributed POP structure used on the Internet?
7. What is the ARPANET? (You need some reading about it)
8. Why do we want to use a home-router?
9. You know that a very powerful giant router in the middle of the world is a very problematic design for the internet.

So what if we apply the distributed POP structure to a specific point in the middle of the world? (I mean imagine that the internet is controlled by 300 POPs in the middle of the world.)

1. What are the most important reasons why POPs use fiber optic cables when connecting to each other?
2. What is the Routing Table?
3. What is the Forwarding?