# A small Test / repetition

Talk and discuss with your neighbour following questions

## DNS:

* What is the primary purpose of DNS?
* Any secondary purposes?
* How is the information in the logical names structured?
* Describe the three top layers in the logical name structure.
* Why do we not just all switch to IPv6?

# Security -- concepts:

* What are the four different goals for security?
* What does each (sub) goal mean?
* For symmetric encryption / decryption, how many key(s) do you have?
* Which goal does symmetric key(s) fulfil?
* For symmetric keys what are the typical length of a key?
* For symmetric keys, name at least two algorithms.
* What are the major problem using symmetric keys
* For asymmetric encryption / decryption, how many key(s) do you have?
* Which goal do asymmetric keys fulfil?
* For asymmetric keys what are the typical length of a key?
* For asymmetric keys, name at least one algorithm.
* What are the major problem using asymmetric keys?
* What is message digest? In addition, a digital signature?
* What is PGP? In addition, how does it make use of encryption/decryption?
* What is SSL? In addition, how does it make use of encryption/decryption?
* When do you use PGP? In addition, when SSL?
* Describe the most important C#-classes in a **client** for SSL programming.
* Describe the most important C#-classes in a **server** for SSL programming