Lesson 4 Availability + Homework:

* 24/7/365 infrastructure, bitcoin have never been offline. Because everyone is incentivized to keep it alive, because we want to earn money
* If a portion of the system dies, immiediatly other computers will join the network, This is because of mining. Mining is how we protect the network, and by securing the network the people mining earns money, win/win for both parts. If alot of people stop mining it becomes easier to mine, and security goes up again.

Homework:

1. It is important for blockchain networks to be high availability networks because the security of the blockchain rely on the availability. This is because you need active nodes to make up a consensus on the data being added is valid or not. This makes it impossible to scam. The high availability is also important because everyone wants to make money, and the network needs to be available in order tok make money.
2. The 24/7/365 infrastructure enable the blockchain network to have such high availability. This is because everyone is incentivized to keep it alive (miners), as a result of everyone wanting to earn money.