

Assignment 1:

Attached

Assignment 2:

Proof of Work	Proof of Stake
<p>1. Mining a block and receiving a reward depends on how much computational work is done by the miner.</p> <p>2. It requires expensive hardware</p> <p>3. PoW, on the other hand, is costly and requires high computing power, however, it's much safer.</p>	<p>Validating a new block depends on how large of a stake a person holds or basically how many coins they possess and the respective age of the stake</p> <p>It does not require expensive hardware.</p> <p>PoS is cost-effective and environmentally friendly but it has some serious drawbacks when it comes to centralisation and security</p>

Assignment 3 :

Types of Ethereum :

- There are three types of network — Live Network (Main), Test Network (like Ropsten and Rinkeby) and Private Network.
- The ETHER or ETH carry the real value of ether on the mainnet.
- The Ether on the TestNet does not carry any real value and is only for a collaborative testing on the network