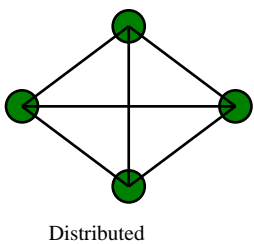
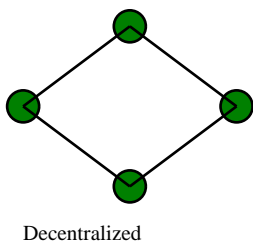
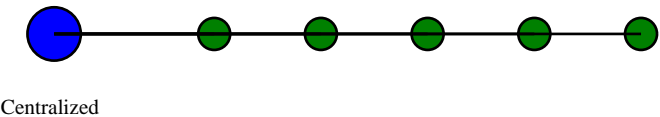


Blockchain Technology Notes (with Diagrams)

Centralized, Decentralized, and Distributed Networks

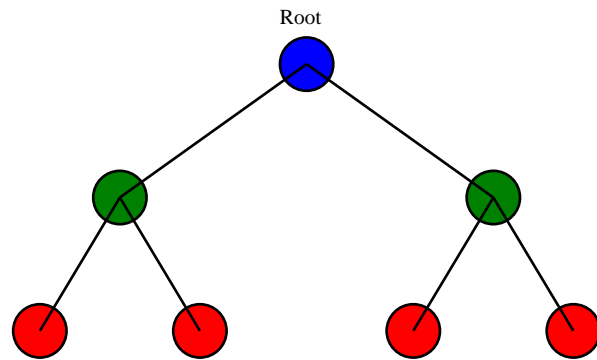
Blockchain is often compared with centralized and decentralized networks. The diagrams below illustrate the differences.



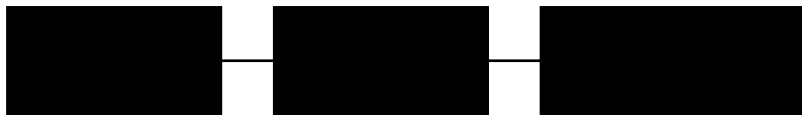
Structure of a Block in Blockchain

Block Header	Transactions	Hash
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Merkle Tree Structure



Proof of Work (PoW) Mining Loop



If hash < Target → Success
Else increment Nonce & repeat