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- % 35 Presentations (please send via email if you didn't)
- % 45 Final Exam
- % 10 IBM Certificate (please send your certificate link)
- % 5 Attendance
- % 15 Extra Points

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## Final Exam Topics

- 1. Hash functions
- 2. Nakamoto Consensus
- 3. Byzantine Generals
- 4. Bitcoin white-paper (https://bitcoin.org/bitcoin.pdf)
- 5. Transaction Flow (Bitcoin, Ethereum)
- 6. NodeJS code completion (https://github.com/sukrucakmak/blockchain-labs)
- 7. Hyperledger Key Concepts (<a href="https://hyperledger-fabric.readthedocs.io/en/release-1.4/key\_concepts.html">https://hyperledger-fabric.readthedocs.io/en/release-1.4/key\_concepts.html</a>)
- 8. Docker and commands (https://www.sukrucakmak.com/docker-cheat-sheet/)