Cryptography

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Short answer: lots of math

Slightly longer answer

Math that we use in order to obfuscate/encrypt information primarily for sending it to others

Why is crypto important?

Cryptography is the basis for the modern internet

Without crypto we wouldn't be able send almost any of the information that we do today

Types of crypto

Ciphers

Reversible Encryption

Hashing

etc.

Common types of ciphers

Ceaser ciphers

Common types of ciphers

Ceaser ciphers

ROT13

Common types of ciphers

Ceaser ciphers

ROT13

Atbash

Common types of ciphers

Ceaser ciphers

ROT13

Atbash

Substitution

Common types of hashing

MD5

Common types of hashing

MD5

SHA1

Common types of hashing

MD5

SHA1

DON'T USE THOSE TWO!!!!!!

Common types of hashing

MD5

SHA1

DON'T USE THOSE TWO!!!!!!

SHA256

Common types of hashing

MD5

SHA1

DON'T USE THOSE TWO!!!!!!

SHA256

SHA512

Common types of encryption

Common types of encryption

AES

Common types of encryption

AES

SSL

Common types of encryption

AES

SSL

RSA

Common types of encryption

AES

SSL

RSA

PGP

XOR

Miscellaneous types

XOR

Enigma

Miscellaneous types

XOR

Enigma

Morse code

Questions?

Contact

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