CE100 Algorithms and Programming II

Week-13 (Symmetric Encryption)

Spring Semester, 2021-2022

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<iframe width=700, height=500 frameBorder=0 src="../ce100-week-13-symenc.md_slide.html"></iframe>

Symmetric and Asymmetric Encryption

Outline

- Symmetric Encryption Algorithms

- AES

- https://formaestudio.com/portfolio/aes-animation/

- DES

- http://desalgorithm.yolasite.com/

- TDES

- https://en.wikipedia.org/wiki/Triple_DES

- Symmetric Encryption Modes

- https://en.wikipedia.org/wiki/Block_cipher_mode_of_operation
  - ECB
  - CBC
  - Asymmetric Encryption
  - Key Pairs (Public-Private Key Pairs)
  - Signature Generation and Validation

References

TODO