

# CE100 Algorithms and Programming II

## Hashing and Encryption

Author: Asst. Prof. Dr. Uğur CORUH

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#### 0.1 CE100 Algorithms and Programming II

#### 0.2 Week-12 (Hashing and Encryption)

0.2.0.1 Spring Semester, 2021-2022 Download DOC<sup>1</sup>, SLIDE<sup>2</sup>, PPTX<sup>3</sup>

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#### 0.3 Hashing and Encryption

#### 0.4 Outline

- Crypto++ Library Usage
  - Hashing and Encryption
  - Integrity Control
  - Hash Values
- 

- Cryptographic Hash Functions
  - SHA-1
  - SHA-256
  - SHA-512
- 

- Checksums
  - MD5
  - CRC32
- 

<sup>1</sup>ce100-week-12-crypto.en.md\_doc.pdf

<sup>2</sup>ce100-week-12-crypto.en.md\_slide.pdf

<sup>3</sup>ce100-week-12-crypto.en.md\_slide.pptx

- Hash Algorithms
  - SHA-1
  - SHA-256
  - SHA-512
  - H-MAC
- 

## 0.5 References

TODO