

CE100 Algorithms and Programming II

Hashing and Encryption

Author: Asst. Prof. Dr. Uğur CORUH

Contents

| | | |
|-----|-------------------------------------|---|
| 0.1 | CE100 Algorithms and Programming II | 1 |
| 0.2 | Week-12 (Hashing and Encryption) | 1 |
| 0.3 | Hashing and Encryption | 1 |
| 0.4 | Outline | 1 |
| 0.5 | References | 2 |

List of Figures

List of Tables

0.1 CE100 Algorithms and Programming II

0.2 Week-12 (Hashing and Encryption)

0.2.0.1 Spring Semester, 2021-2022 Download DOC¹, SLIDE², PPTX³

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
-

¹[ce100-week-12-crypto.md_doc.pdf](#)

²[ce100-week-12-crypto.md_slide.pdf](#)

³[ce100-week-12-crypto.md_slide.pptx](#)

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

0.5 References

TODO