

Text / Image Encryptor

using XOR cipher in Java

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Team Members

Text Encryption and Decryption

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Image Encryption and Decryption

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Tools Used

- Any Java supported IDE.
eg. Eclipse IDE

Algorithm / Method

- Text/ Image encryption using XOR cipher (Java).

XOR Cipher:

- XOR cipher offers a strong protection against brute force attacks.
- It employs the XOR logical operation in order to encrypt data.
- It is an additive cypher based on the XOR operation.

Expected outcome / result

- XOR cipher uses an assigned key in order to encrypt or decrypt string or images.
- It uses the same key for both encryption and decryption.
- The expected outcome is to successfully encrypt and decrypt strings and images using an assigned key.

Additional Details

We will attempt to implement the codebase for encryption and decryption of both string and images in one.

We will also try to create a working base gui in order to input text or an image file and work on it.