텍스트, 스크린샷, 폰트이(가) 표시된 사진

자동 생성된 설명

* Preset student ID and password for authentication purposes.

텍스트, 스크린샷, 폰트이(가) 표시된 사진

자동 생성된 설명

* Initializes the homomorphic encryption context with predefined parameters and makes the context bootstrappable (suitable for repeated operations without noise growth).

텍스트, 스크린샷, 폰트이(가) 표시된 사진

자동 생성된 설명

* Loads the secret key and public keys (encryption and multiplication keys) from the specified directory.
* Initializes the homomorphic evaluator and decryptor using the context and public keys.

텍스트, 스크린샷, 소프트웨어이(가) 표시된 사진

자동 생성된 설명

* Decodes the base64-encoded encrypted content.
* Writes the decoded bytes to a temporary file.
* Loads the ciphertext from the temporary file and decrypts it.
* Converts the decrypted numeric values to a string.
* Ensures the temporary file is closed and deleted after use.

텍스트, 스크린샷이(가) 표시된 사진

자동 생성된 설명

* Opens the QR code image file.
* Decodes the QR code from the image.
* Extracts data and encrypted content from the QR code.
* Prints the decoded and decrypted content.
* Handles file not found and general exceptions gracefully.

텍스트, 스크린샷, 폰트이(가) 표시된 사진

자동 생성된 설명

* Prompts the user for a student ID and password.
* Checks the credentials against the stored values.
* If authenticated, proceeds to decode and decrypt the QR code from the specified image file.
* Displays an error message if the credentials are incorrect.