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Subject: Information Security



Introduction:

In this doc file we are going to demonstrate our final project for the Information Security subject which is a cryptosystem developed in Java (JavaFx).

Project Outline:

As our project we are going to develop a system in which we can encrypt any text data with a key. We have used Caesar Cipher methodology to encrypt and decrypt the text. It will be a GUI-based application which will have a text field in which we can write or input the text data which we want to encrypt and a encrypt button which will start encryption and show the encrypted text in decrypt text field. Similarly, we can also do the decryption; we can input the encrypted text in decrypt text field and then press the decrypt button to decrypt the text inputted. This all process is done by using a key. Which would be entered by the user of the application and without a key none of the operations mentioned above would work. User must enter a key in key text field and the key need to be an integer for Caesar cipher algo to work. This key will be used in encryption and decryption processes.