

Class Diagram

Cryptography
+key: String
+encryption: boolean
+Cryptography()
+Cryptography(String startKey, boolean startEncryption)
+getKey()
+getEncryption()
+setKey(String newKey)
+setEncryption(String newKey)
+encrypt(String text, int shifter)
+decrypt(String key, int shifter)
+toString()
+cipher (Object o, int shifter)
+stringToList (String str)
+listToIntegers(String[] str)

Object Diagram

<u>myObj: Cryptography</u>
key = text from keyfile
encryption = true or false depending on when we are encrypting or decrypting