

Last name First name	
class	CS4840
Assignment name/number	Hwk1 ver 1.0
Date submitted	"2014/09/19
cs- login	

This is hwk of T2. Use Java. Use help2500 program style. There may be another hwk concurrently.

Design Playfair Cipher, encryption and decryption.

Input format.

Input files:

msgin.txt

cipin.txt

msgout.txt

cipout.txt

Each file is text file.

Each file will have on the first line the appropriate key.

For msgin it will have encryption key.

For cipin it will have decryption key.

The data will be in capital letters. It will broken in blocks of 4 letters for readability.

The msg or ciphertext will be broken in blocks of 4 letters, with 32 letters on each line.

Example:

Your file will not have comments.

msgin.txt

ILIK EFIS HING //encrypt key

//msg

TODA YIGO TUPA NDFO UNDO UTTH ATIW ONMI

LLIO NDOL LARS ANDI WILL NOTH AVET OWOR

KANY MORE IAMG OING TOPA RIS

I will test your program by feeding it these files.

The program will compute and save the output into appropriate file, cipout.txt or msgout.txt.

In addition, it will also print to standard output the file in the same format as shown above.

So,

>java Playfair enc msgin.txt

Will result on screen in cipout.txt that looks like this:

TODA YIGO TUPA NDFO UNDO UTTH ATIW ONMI

LLIO NDOL LARS ANDI WILL NOTH AVET OWOR

KANY MORE IAMG OING TOPA RIS

The command line will look like this:  
java Playfair <function> <file>

Ex:  
>java Playfair enc msgin.txt  
>java Playfair dec cipin.txt

Notes:  
I did not not ask for GUI, please do not give me gui, that is harder to test.