

INSTRUCTIONS

- Note that the KEY taken for this algorithm is "TEMP"
- This corresponds to the matrix $\begin{matrix} T & E \\ M & P \end{matrix}$
- Taking $A=0, B=1, C=2, \dots$, the key can be put across as $\begin{matrix} 19 & 4 \\ 12 & 15 \end{matrix}$
- This particular KEY matrix should change every time you change the key.
For example, if you take COLL as key, the matrix will be $\begin{matrix} 2 & 14 \\ 11 & 11 \end{matrix}$
- samplekey.txt and ToEncrypt.txt consists of the KEY matrix and the text to be encrypted respectively.
- HillCipher.java takes the key from samplekey.txt and the text to be encrypted from ToEncrypt and returns the decrypted text.
- HillCipherExample.java file can take the key and the text to be encrypted from the user and can return the decrypted sentence as well. But, this only works on one sentence and not on paragraphs like HillCipher