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Assignment No: (1)

Date: 2 /   2 /2021

Classical Ciphers : Caesar , PlayFair,HillCipher_2x2, HillCipher_3x3,Vigenere,Vernam one time pad

Using python , numpy

We include the input filles in same directory of the project and execute the script and it'll produce output in txt files

Then it'll ask you to input the plain text and the key (and mode in Vigenere case) then it will print the output for the same input in all Cipher methods

In hill cipher we input array of integers separated by space , in Vigenere : 0 represents the repeating mode and any else number for auto mode , in Vernam if the key's length is not equal to the text's this will produce an error

```
type the plain text:BassemYousry
Enter Caesar Key:5
Enter PlayFair Key:security
Enter HillCipher_2x2 array of int separated by space : 5 7 8 9
Enter HillCipher_3x3 array of int separated by space : 5 9 6 4 7 5 10 9 3
Enter Vigenere Key and mode separated by space : cse 0
Enter Vernam Key : abcdefghijkl

CaesarCipher = GfxxjrDtzxwd
PlayFair = IBUQECNTXAESAW
HillCipher2x2 = FIIUAKKGSKTO
HillCipher3x3 = JQMQESCIKXZP
VigenereCipher = DSWUWQAGYUJC
VernamOneTime = BBUVIREVCBBJ


type the plain text:_
```