

**** (Simple Shift vigenere) ****

Give me the plain text and key then apply the operation

Encryption :

$$C = P + K \bmod n \quad \text{which } n \text{ is number of alphabetic}$$

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

Example:

Plain Text : we need more snow

Key : ytiruces

w	e	n	E	e	d	m	o	r	e	s	n	o	w
y	t	i	R	u	c	e	s	y	t	i	r	u	c

22	4	13	4	4	3	12	14	17	4	18	13	14	22
24	19	8	17	20	2	4	18	24	19	8	17	20	2

$$C(w) = 22 + 24 \bmod 26 = 20 \quad \rightarrow U$$

And so on

Decryption :

$$P = C - K \bmod n$$

$$P(u) = 20 - 24 \bmod 26 = 22 \quad \rightarrow W$$
