Dry Run:-

$S(i) + key \% 26$

where $S =$ string or message.

$i =$ index

$key = 4$

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

R	S	T	U	V	W	X	Y	Z	
17	18	19	20	21	22	23	24	25	

Now we have message = HELLO.

$key = 4$

formula :- for H.

$S(i) + key \% 26$

$= 7 + 4 \% 26$

$= 11 \% 26$

$= 11$

We gain alphabet L.

for L

$S(i) + key \% 26$

$= 11 + 4 \% 26$

$= 15 \% 26$

$= 15$

We gain alphabet P.

for E:-

$S(i) + key \% 26$

$= 4 + 4 \% 26$

$= 8 \% 26$

$= 8$

we gain alphabet I.

for L:-

$S(i) + key \% 26$

$= 11 + 4 \% 26$

$= 15 \% 26$

$= 15$

we gain alphabet P.

for O:-

$S(i) + key \% 26$

$= 14 + 4 \% 26$

$= 18 \% 26$

$= 18$

we gain alphabet S

So we have test after encryption is LIPPS