

# BlockChain Lab 1

1. Implement the following message "*cryptography is a very simple subject to understand*" using Additive/shift/Caesar with key 19
2. Write a program to perform a brute force attack on the following encrypted message

IOL LUHXIG MYHNYHWY AYHYLUNIL WUH BYFJ SIO WIGY OJ QCNB ZOH LUHXIG  
MYHNYHWYM ZIL UHS JOLJIMY DOMN YHNYL SIOL JULUGYNYLM CHNI IOL NIIF UHX  
MYQ QBUN CN WUH WIGY OJ QCNB

Assume that Additive Cipher is used for encrypting this message.

3. Write a program to perform a statistical attack on the following encrypted message

"NBLY ULY U FIN IZ JINYHNCUF OMYM ZIL IOL LUHXIG MYHNYHWY AYHYLUNIL ZLIG AYNCHA  
NBY WLYUNCPY DOCWYM ZFIQCHA NI MYLPCHA UM CHMJCLUNCIH ZIL FSLCWM MWLCJNM IL  
VLUCHMNLGCHA IZ UHS MILN NBLY CM HI MBILNUAY IZ OMY WUMYM MIGYNGYM QY UFF HYYX  
U ECWEMNULN NI AYN NBIMY WLYUNCPY DOCWYM ZFIQCHA MCHWY SIO HYPYL EHIQ QBUN GUS  
MJULE SIOL HYRN VLCFFCUHN CXYU NBCM NIIF YRJUHXM IH NBY LUHXIG QILX AYHYLUNIL VS  
LYNOLHCHA U ZOFF MYHNYHWY"

Assume that Additive Cipher is used for encrypting this message.

