LAB 2
Encryption/Decryption
DUE 2/15/2021 11:59:59 PM
100 Points Total

Overview

In this lab, students will have a chance to get a deeper understanding on creating their own encryption/decryption tool written in python. While this is one of the easiest ciphers, learn about Virtual Machines (VMs) and their importance to testing. Testing Cryptool2 to encrypt and decrypt various ciphers.

Assignment & Instructions

Everyone has different ways of solving things, I really hope yours is not the long way. Think twice about the way you are going to approach this, before you do it. Then write a small python program to help you decrypt/encrypt the hidden message keeping upper- and lower-case letters and find the Key used. At the end, please upload your .py file and your lab questions.

Part II-A: Caesar's Cipher (30 pts)

1. Axeeh xoxkrhgx tgw Wxevhfx mh Likbgz 2021, VEVL 378!. B ahix rhn wbwg'm mktgletmx

    mabl ur atgw, matm'l patm vhfinmxkl tkx yhk. By rhn wbw bm ur atgw, rhn lahnew kxwh

    bm uxvntlx whbgz bm ur atgw bl bgxyybvbxgm tgw matm'l par mabl mxqm bl lh ehgz.

    Telh, mabl tllbzfxgm vteel yhk t lftee irmahg ikhzktf.Hgx ptr hy lheobgz mabl, bl nlbgz

    lmkbgz.ftdxmktgl() tgw bm bl kxvhffxgwxw. Ahix rhn atw yng phkdbgz mabl hnm.

    Ehhdbgz yhkptkw mh phkdbgz pbma tee hy rhn mabl lxfxlmxk! :)

2. **What is the hidden Message?**

3. **What is the encryption Key used?**

4. **Now encrypt the hidden message found in step 2, using K=4 and paste the encrypted message here.**