

SSN Lab Assignment

Classical crypto

Intro

In this assignment, you will look at classical methods of encoding/decoding. Please keep your log detailed, give more than just an account of the questions/answers posed in this assignment. Especially during group work it should be clear from the logs who did what and why.

Preparation

Download [WinXP virtual machine with the Codebook](#).

Task

1. Open the Codebook and look at everything up to and including Vigenere ciphers: choose “Main Contents” and go through the first three chapters of the “Birth of cryptography” up to and including “Mechanising secrecy”.
2. Encrypt an English text of at least 80 words using the Vigenere cipher and exchange it with one of your fellow students.
3. Crack the encrypted text of your fellow student using the Vigenere cipher tool.
4. Go through the previous two steps again, this time using a cipher of your own choosing. Do not tell your fellow student what cipher you used!