

Lab Sheet 2

Security

In our second lab, we will work on classical encryption techniques in Kali Linux. Boot your Kali Linux installation and use a terminal to invoke shell commands for encryption and decryption. The starting point of each task is an open terminal. When finished post a screenshot of your answers to slack.

1 Task 1: Caesar Cipher

For this task, you will need to install the Python library `pycipher` by typing `pip install pycipher` into your terminal.

1.1 1 Encryption with a known key

Type `python` to invoke the Python interpreter and use `pycipher` to encrypt the message $m = \text{'hello world'}$ with key $k = 3$. HINT: use `help(pycipher)` to find the right function.