Cheatsheet

Stepic (Steganography):
Stepic, like Steghide, is a steganography program writting purely in Python. It is able to hide/extract data in/from PNGs.

$ stepic --encode --image-in=hiding_place.png --data-in=secret.jpg
--out=hiding_place_and_secret.png

$ stepic --decode --image-in=hiding_place_and_secret.png --out=secret

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Steghide (Steganography):
Steghide is a steganography program that is able to hide/extract data in/from various kinds of image- and audio-files, e.g. JPEG, BMP, WAV and AU.

$ steghide embed -cf hiding_place.jpg -ef secret.txt

$ steghide extract -sf suspicious_picture.jpg

$ steghide info suspicious_picture.jpg

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Bless (Hexeditor):
Bless is a powerfull Hexeditor with a graphical user interface.

$ bless file_to_be_blessed

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Exiftool (Analyze metadata):
Exifttool is a lightweight, command line based, metadata analysis tool.

$ exiftool file_to_be_analyzed

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Foremost
Foremost is command line program, for retrieving data based on their headers.

$ foremost file_to_be_analyzed

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Python Console (Decoding and Encoding Strings)
Codecs you might need for this exercise: base64, hex, uu

```
$ python
>>> import codecs
>>> encoder = codecs.getencoder('<encoding>')          # get encoder for desired encoding
>>> decoder = codecs.getdecoder('<encoding>')          # get decoder for desired decoding
>>> input = 'string_to_be_encoded'
>>> encoded = encoder(input)[0]                        # encode input
>>> decoded = decoder(encoded)[0]                      # decode encoded
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