

# Assignment 2 User Manual

## Background

1. Python3 must be installed before running the application
2. Python PIL module (python3 -m pip install Pillow)
3. Python DES module (python3 -m pip install des)

## Program Usage

### Arguments and options:

```
Name
    dcstego.py
Option arguments:
    -h    --help    show help message and exit
    -c    --create   create stego image
    -e    --extract  extract secret image
Required arguments:
# If --create option specified
    cover_image    filename of the cover image to use
    secret_image    filename of the secret image to hide
    output_name     name of the output stego image
    password        password use for encryption
# if --extract option specified
    stego_image     filename of stego image to extract secret image from
    Password        password use for decryption
```

### Sample commands for stego image creation and extraction

```
$: ./dcstego.py -c cover.img secret.img stego.img 12345678
$: ./dcstego.py -e stego.img 12345678
```