STEGHIDE

Create a Python script called **smutt.py** able to hide a file inside an image and send the output image as attachment using `mutt` service.

In order to hide a file inside an image we can use ***stenography*** technique. **Steghide** command can be used in order to complete the exercise.

The `mutt` command

mutt can be used to read and write emails. The synopsis of the command is the following:

                    `mutt [-s subj] email_addresses -a file`

`-a` → used to specify a list of attachments
`-s` → used to specify the email subject
`email_addresses` → a list of addresses that will receive our email

The `steghide` command

steghide is a a steganography program able to hide information inside other files. The synopsis of the command is the following:

          `steghide embed –cf cfilename -ef efilename –sf sfilename`

`-cf cfilename` → is a graphic file for *embedding operation* (also called `cover file`)
`-ef efilename` → is the file to hide inside the cover file
`-sf sfilename` → is the name of the output file that will be created. If not specified, the cover file will be overwritten with the new file produced by **steghide**
embed   → Embed secret data in a cover file thereby creating a stegofile

smutt.py script should be invoked as follows:
     `python3 smutt.py –ef efilename –cf cfilename -sf sfilename address`

The script should:
1. embed `efilename` inside `cfilename` producing a new file `sfilename` using the `steghide` command
2. send `sfilename` as an attachment to the specified email addresses `address` using the `mutt` command