Assignment 2 Testing

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Command	Expected Output	Screenshots

python3 lsbit.py help	The program should print out the correct usage pattern.	▲ Documents/c8505/a2_py python3 lsbit.py help
		Usage:
		  lsbit.py hide <img_file> <payload_file> <password>
		  lsbit.py reveal <stego_file> <out_file> <password>

python3 lsbit.py gibberish	Program does not recognize the command and prints usage pattern.	▲ Documents/c8505/a2_py python3 lsbit.py gibberish
		Usage:
		  lsbit.py hide <img_file> <payload_file> <password>
		  lsbit.py reveal <stego_file> <out_file> <password>

python3 lsbit.py hide img/flowers_big.jpg img/boy.bmp password	The payload file is too large so the program should warn us about it and quit.	▲ Documents/c8505/a2_py python3 lsbit.py hide img/flowers_big.jpg img/boy.bmp password Input image size: 1024x760 pixels. Usable payload size: 285.00 KB. Payload size: 385.053 KB Payload size after encryption: 513.442 KB File too large
python3 lsbit.py hide img/lizard_big.jpg img/boy.bmp password	The carrier image is large enough to fit the payload. The program should Perform the task.	▲ Documents/c8505/a2_py python3 lsbit.py hide img/lizard_big.jpg img/boy.bmp password Input image size: 4444x3136 pixels. Usable payload size: 5103.66 KB. Payload size: 385.053 KB Payload size after encryption: 513.442 KB img/boy.bmp hidden
python3 lsbit.py hide img/snow_big.jpg img/boy.bmp password && python3 lsbit.py reveal img/snow_big.jpg_encrypted.png boy.bmp password	This should hide and reveal the picture of the boy inside of the picture of a tree with snow around it. (Takes a while)	△ Documents/c8505/a2_py python3 lsbit.py hide img/snow_big.jpg img/boy.bmp password Input image size: 2048x1356 pixels. Usable payload size: 1017.00 KB. Payload size: 385.053 KB Payload size after encryption: 513.442 KB img/boy.bmp hidden ▲ Documents/c8505/a2_py python3 lsbit.py reveal img/snow_big.jpg_encrypted.png boy.bmp password Image size: 2048x1356 pixels. Wrote the data to: boy.bmp.
python3 lsbit.py reveal img/snow_big.jpg_encrypted.png boy.bmp wrongpassword	The user entered the wrong password. The application will extract the least significant bits but it will not decrypt the data inside. Image will be unreadable.	▲ Documents/c8505/a2_py python3 lsbit.py reveal img/snow_big.jpg_encrypted.png boy.bmp wrongpassword Image size: 2048x1356 pixels. Wrote the data to: boy.bmp. ▲ Documents/c8505/a2_py feh boy.bmp feh WARNING: boy.bmp - No Imlib2 loader for that file format feh: No loadable images specified. See 'feh --help' or 'man feh' for detailed usage information △ Documents/c8505/a2_py file boy.bmp boy.bmp: data