from stegano import lsb

from PIL import Image

# Function to hide a message in an image

def hide\_message\_in\_image(image\_path, message, output\_path):

secret\_image = lsb.hide(image\_path, message)

secret\_image.save(output\_path)

print("Message hidden successfully!")

# Function to extract a message from a steganographic image

def extract\_message\_from\_image(image\_path):

secret\_message = lsb.reveal(image\_path)

print("Extracted message:", secret\_message)

# Example usage

if \_\_name\_\_ == "\_\_main\_\_":

# Path to the original image

original\_image\_path = "original\_image.jpeg"

# Path to the output steganographic image

stego\_image\_path = "stego\_image.png"

# Message to hide

message\_to\_hide = "hi hello guys"

# Hide the message in the image

hide\_message\_in\_image(original\_image\_path, message\_to\_hide, stego\_image\_path)

# Extract the message from the steganographic image

extract\_message\_from\_image(stego\_image\_path)