from PIL import Image

def count\_pixels(image\_path: str) -> int:

    # Open the image file and convert it to RGB format

    with Image.open(image\_path) as img:

        img = img.convert('RGB')

        width, height = img.size

        # Calculate the total number of pixels in the image

        num\_pixels = width \* height

        return num\_pixels

def count\_white\_pixels(image\_path: str) -> int:

    # Open the image file and convert it to RGB format

    with Image.open(image\_path) as img:

        img = img.convert('RGB')

        pixelMap = img.load()

        # Loop through each pixel in the image

        num\_white\_pixels = 0

        for row in range(img.size[0]):

            for col in range(img.size[1]):

                # Check if the pixel is white

                r, g, b = pixelMap[row, col]

                if r > 210 and g > 210 and b > 210:

                    # If the pixel is white, increment the count

                    num\_white\_pixels += 1

        return num\_white\_pixels

pixelCount = count\_pixels('question4task.jpg')

whitePixelCount = count\_white\_pixels('question4task.jpg')

print(f'Number of pixels: {pixelCount}, number of white pixels: {whitePixelCount}.')