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from PIL import Image

import pytesseract

# If you don't have tesseract executable in your PATH, include the following:
pytesseract.pytesseract.tesseract_cmd = r'<full_path_to_your_tesseract_executable>'
# Example tesseract_cmd = r'C:\Program Files (x86)\Tesseract-OCR\tesseract'

# Simple image to string
print(pytesseract.image_to_string(Image.open('test.png')))

# In order to bypass the image conversions of pytesseract, just use relative or absolute image
# NOTE: In this case you should provide tesseract supported images or tesseract will return error
print(pytesseract.image_to_string('test.png'))

# List of available languages
print(pytesseract.get_languages(config=''))

# French text image to string
print(pytesseract.image_to_string(Image.open('test-european.jpg'), lang='fra'))

# Batch processing with a single file containing the list of multiple image file paths
print(pytesseract.image_to_string('images.txt'))

# Timeout/terminate the tesseract job after a period of time
try:
    print(pytesseract.image_to_string('test.jpg', timeout=2)) # Timeout after 2 seconds
    print(pytesseract.image_to_string('test.jpg', timeout=0.5)) # Timeout after half a second
except RuntimeError as timeout_error:
    # Tesseract processing is terminated
    pass

# Get bounding box estimates
print(pytesseract.image_to_boxes(Image.open('test.png')))

# Get verbose data including boxes, confidences, line and page numbers
print(pytesseract.image_to_data(Image.open('test.png')))

# Get information about orientation and script detection
print(pytesseract.image_to_osd(Image.open('test.png')))
```