Here is **Readme.md**

The whole needed data is uploaded into the google drive as the link below (as I’ve tested, the code is able to run on both Windows and MacOS)

{link to google drive}

The instructions for using the application for extracting the text of images (In this case, we’re focusing on the receipt)

Necessary Libraries for compiling the python script.

import tkinter as tk

from tkinter import filedialog

from tkinter import messagebox

from PIL import Image, ImageTk, ImageDraw

import pytesseract

import pyperclip

import cv2

import os

import numpy as np

from PIL import ImageGrab

To install these libraries, I’ve attached the requirement.txt using for installing libraries.



The command for installing these libraries is:

**pip install -r {directory\_to\_requirements.txt}**

**pip install -r requirements.txt**

For windows, there are some more things we’ve to deal with is to set the path to **pytesseract,** we can easily follow the instructions on this website. Hopefully this webpage finds you well.

<https://medium.com/@navapat.tpb/python-3-%E0%B8%95%E0%B8%B4%E0%B8%94%E0%B8%95%E0%B8%B1%E0%B9%89%E0%B8%87%E0%B9%81%E0%B8%A5%E0%B8%B0%E0%B9%83%E0%B8%8A%E0%B9%89%E0%B8%87%E0%B8%B2%E0%B8%99-tesseract-ocr-%E0%B8%AA%E0%B8%B3%E0%B8%AB%E0%B8%A3%E0%B8%B1%E0%B8%9A-window-%E0%B9%80%E0%B8%9E%E0%B8%B7%E0%B9%88%E0%B8%AD%E0%B8%AA%E0%B8%81%E0%B8%B1%E0%B8%94%E0%B8%82%E0%B9%89%E0%B8%AD%E0%B8%84%E0%B8%A7%E0%B8%B2%E0%B8%A1%E0%B8%88%E0%B8%B2%E0%B8%81%E0%B8%A0%E0%B8%B2%E0%B8%9E-734dae2fb4d3>

**IN CASE,** the **pytesseract** still not worked properly, please contact me back via Line, or this email ([noppanan.pin@student.mahidol.ac.th](mailto:noppanan.pin@student.mahidol.ac.th)).

After installing whole needed libraries, we just go to the downloaded folder and run the python script as followed:

python/python3 {script\_name.py}

in this case, you can just copy this command to the terminal/command prompt.

**python receipt\_extraction.py**

Or

**python3 receipt\_extraction.py**

**Please note that the code provided is not completely written by me, some path of code is generated from ChatGPT.**