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pip3 install pillow

1 实现 PDF 文件转成 TXT 文件 2 实现识别图片中的文字,并输出 TXT 文件 3 基于有道词典进行查词 Implement: 1 基础环境配置 Operation system: Centos 7 Python Version: python 3.6.1 Linux Command: yum update yum groupinstall "Development tools" yum -y install automake autoconf libtool zlib-devel libjpeg-devel giflib libtiff-devel libwebp libwebp-devel libicu-devel openjpeg-devel cairo-devel yum install gcc pip3 install wand pip3 install pytesseract

```
pip3 install tesseract
wget https://github.com/tesseract-ocr/tesseract/archive/3.04.01.tar.gz
mv 3.04.01.tar.gz tesseract-3.04.01.tar.gz
tar xzvf tesseract-3.04.01.tar.gz
cd tesseract-3.04.01/
./autogen.sh
./configure
make
make install
ldconfig
pip3 install pyocr
yum install python-imaging
yum install ImageMagick-devel
export TESSDATA_PREFIX=/usr/local/share/tessdata
pip3 install pdfminer.six
pip3 install urllib
2 Project File Structure:
```



Remark: 顾名思义

## 3 Python Code Structure:

```
# -*- encoding: utf-8 -*-
+ import ...
 #获取指定文件夹下的所有文件名
+ def get_files (file_folder): ....
 #获取图片式PDF文件的内容
+ def pdf_image_to_string(pdf_file, lang_code=0):
 #获取可读PDF的文本内容
+ def pdf_text_to_string(pdf_file): ...
 #使用pyocz 提取图片中的文字
+ def pyocr_image_to_string(img_file, lang_code=0):
 #使用pytesseract 提取图片中的文字
def pytess_imgae_to_string(img_file):
 #使用 Image Enhance 增强提取图片中的文字
def enhance_image_to_string(img_file):
 #模拟浏览器使用有道进行翻译
🗖 def youdao_html_translate(text, url = "http://fanyi.youdao.com/translate?smartresult=dict&smartresult=rule&sessionFrom="):____
 怎入txt文本
+ def string_to_text(file, text):
def translator (file_folder, file_type): ____
```

## 4Reference:

http://www.wisedream.net/2016/07/18/imgProcessing/ocr-with-pytesseract/

https://ivanzz1001.github.io/records/post/ocr/2017/09/08/tesseract-install

http://blog.topspeedsnail.com/archives/3571

http://blog.csdn.net/fighting\_no1/article/details/51038942

http://blog.csdn.net/qq\_21905401/article/details/77620561