

分解视频的代码：

```
1 import cv2
2
3 mp4 = cv2.VideoCapture("test.mp4") # 读取视频,路径
4 is_opened = mp4.isOpened() # 判断是否打开
5 print(is_opened)
6 fps = mp4.get(cv2.CAP_PROP_FPS) # 获取视频的帧率
7 print(fps)
8 width = mp4.get(cv2.CAP_PROP_FRAME_WIDTH) # 获取视频的宽度
9 height = mp4.get(cv2.CAP_PROP_FRAME_HEIGHT) # 获取视频的高度
10 print(str(width) + "x" + str(height))
11 i = 0
12 cnt = 0
13 while is_opened:
14     if cnt == 100: # 截取前10张图片,这个参数是可以自己改的,间隔多久,自己理解理解代
        # 码意思,自行改动
15         break
16     else:
17         cnt += 1
18         (flag, frame) = mp4.read() # 读取图片
19         file_name = "image" + str(cnt) + ".jpg"
20         print(file_name)
21         if flag == True and cnt%4==0:
22             cv2.imwrite(file_name, frame, [cv2.IMWRITE_JPEG_QUALITY]) # 保存图片
        # 会保存在当前py所在文件的地方
23     print("转换完成")
```

安装CV2

这个代码需要用到 cv2 这个包，所以你得先安装一下cv2。

打开cmd，命令提示符，输入下面的指令：

```
1 | pip install opencv-python
```

如果中途下载没有断，并且最后有successful 之类的英文提示安装成功，说明你成功了，也不用往下看了。

```
Installing collected packages: numpy, opencv-python
  Attempting uninstall: numpy
    Found existing installation: numpy 1.13.1
    Uninstalling numpy-1.13.1:
      Successfully uninstalled numpy-1.13.1
Successfully installed numpy-1.19.5 opencv-python-4.5.4.60
C:\WINDOWS\system32>
```

出现这个样子，就不用往下看了。

但是如果你中途下载比较慢,

```
opencv_python-4.5.4.60-cp36-cp36m-win_amd64.whl (35.1MB)
22% | ██████████ | 7.8MB 37kB/s eta 0:12:14Exception:
```

你可以试一下下面的指令,使用清华镜像:

```
1 | pip install -i https://pypi.tuna.tsinghua.edu.cn/simple opencv-python
```

下载成功就可以, 如果提示你, 你的pip版本过低, 你就可以, 更新一下pip版本,

```
Could not find a version that satisfies the requirement opencv-python (from versions: )
No matching distribution found for opencv-python
You are using pip version 9.0.1, however version 21.3.1 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.
```

```
1 | python -m pip install --upgrade pip
```

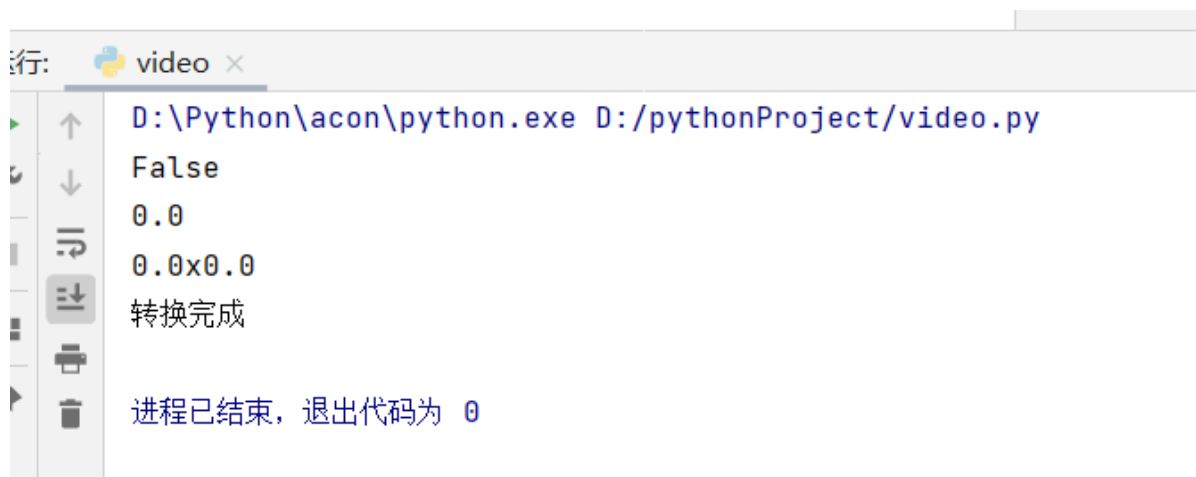
然后在执行一遍上面的指令:

最后成功:

```
Installing collected packages: numpy, opencv-python
  Attempting uninstall: numpy
    Found existing installation: numpy 1.13.1
    Uninstalling numpy-1.13.1:
      Successfully uninstalled numpy-1.13.1
Successfully installed numpy-1.19.5 opencv-python-4.5.4.60
C:\WINDOWS\system32>
```

就ok了, 你可以写代码了。

代码运行成功是这样的。



```
行: video x
D:\Python\acon\python.exe D:/pythonProject/video.py
False
0.0
0.0x0.0
转换完成
进程已结束, 退出代码为 0
```

如果出现其他问题, 可能我也没见过, 可以自己百度一下。

