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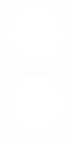
C

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...

1 acad.ActiveDocument.Application.Documents.Open("D:\AutoCAD\PyAutoCAD.dwg")

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Email: [liyang@alu.hit.edu.cn](mailto:liyang@alu.hit.edu.cn)

Last Update: 2019.07.28 14:00

============================= '''

from pyautocad import Autocad

acad = Autocad(create\_if\_not\_exists = True)

acad.prompt("Hello! AutoCAD from pyautocad.") print(acad.doc.Name)

 Create a new folder named "AutoCAD" on the D drive .

**2. Open the file**

 There must be at least one open graphics space in the CAD program, otherwise an error will be reported, and the error content is: Unable to obtain the Document object.

report

 Open the file D:\AutoCAD\PyAutoCAD.dwg, the code is as follows:



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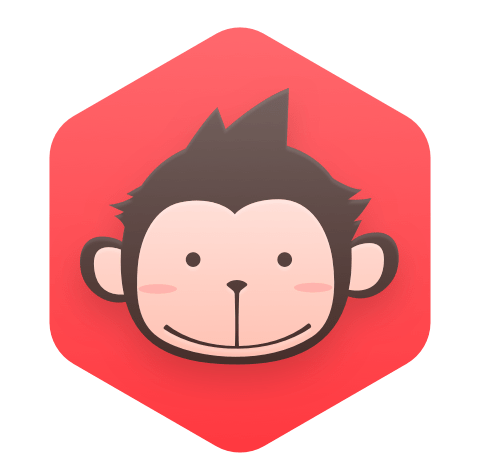
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## Parameter 61 indicates that the type of save as file is AutoCAD 2013 DXF, and other commonly used types are as follows:

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|  | Search blogger article | The newly created file as follows adopts the default name of the system, namely Drawing1, Drawing2... If you change  the name, you can define it when you close it. Your browser is currently zoomed, and the page  may be misaligned. It is recommended to display  1 DrawingObj = acad.ActiveDocument.Application.Documents.Add("") at 100% size.   1. **Set current**    Setting the current is to set a certain file as the active file, and all the code related to drawing after it will take effect in this file.   * 1. **Set the known file name to current**    Set the file PyAutoCAD.dwg as the current file, the code is as follows:  1 acad.ActiveDocument.Application.Documents("PyAutoCAD.dwg").Activate()   * 1. **Set unknown file name to current**   1 DrawingObj.Activate() *#* 将*New\_Drawing*设为当前文件。   1. **Close and save changes**    1. **Close existing files**       1. acad.ActiveDocument.Application.Documents("PyAutoCAD.dwg").Close(True, "PyAutoCAD\_已变更.dwg")       2. *#* 关闭*PyAutoCAD.dwg*文件。       3. *# True* 布尔值*,*为系统默认，表示打开文件后关闭前文件若发生变更，则保存变更，并另存为*PyAutoCAD\_*已变更*.dwg*       4. *#* 此时文件夹中同时存在未变更的*"PyAutoCAD.dwg"*和已变更的*"PyAutoCAD\_*已变更*.dwg"*       5. *#* 若第二项空缺，则新文件名为*"PyAutoCAD.dwg"*，覆盖之前未变更的文件。    2. **Close the newly created file** 2. DrawingObj .Close(True, "HIT.dwg") 3. *#* 关闭*New\_Drawing*文件。 4. *#* 文件夹中仅存在*"HIT.dwg"*一个文件。    1. **Close the current file**       1. acad.ActiveDocument.Close()       2. *#* 关闭当前文档。 5. **Save as**    1. **Save as .dwg/.dxf**    The following methods can only be saved as a file format is .dwg and .dxf, which is a CAD program, then click **File >> Save As** , respectively.  **1. Save the current file as .dwg/.dxf**   Save the current file as PyAutoCAD\_SaveAs.dxf, the version of the file is: AutoCAD 2013 DXF. code show as below:  1 acad.ActiveDocument.SaveAs("D:\AutoCAD\PyAutoCAD\_SaveAs", 61)   After the previous code is executed, the current file is closed by the program, and the PyAutoCAD\_SaveAs.dxf file is opened and set as the current file. |
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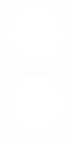
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| **Version** | **.dwg** | **.dxf** |
| AutoCAD 2000 | 12 | 13 |
| AutoCAD 2004 | twenty four | 25 |
| AutoCAD 2007 | 36 | 37 |
| AutoCAD 2010 | 48 | 49 |
| AutoCAD 2013 | 60 | 61 |





**2. Save the current file as .dwg/.dxf**



 Save the specific file PyAutoCAD.dwg as PyAutoCAD\_SaveAs.dxf, the version of the file is: AutoCAD 2013 DXF. code

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## show as below:

AD\PyAutoCAD\_SaveAs", 61)

1 acad.ActiveDocument.Application.Documents("PyAutoCAD.dwg").SaveAs("D:\AutoC

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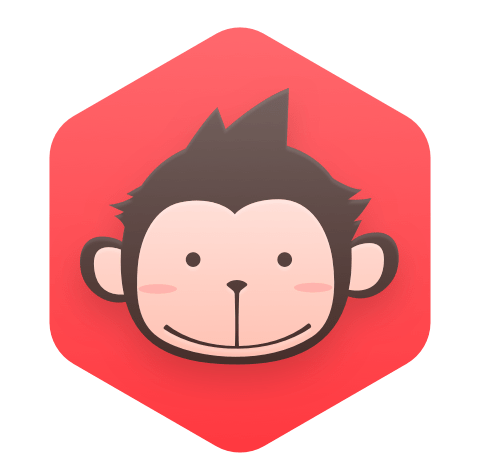
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**7. Ending**

The above are some basic codes about AutoCAD files . Due to limited space, some non-critical functions have not been introduced in detail. If you have any questions, please email us.

Your browser is currently zoomed, and the page may be misaligned. It is recommended to display at 100% size.

The realization of some functions of this article cannot be separated from the great help of the vast number of bloggers. Some functions seem simple, but it is not easy to realize them for the first time.

In view of the relatively small number of relevant sample codes, this article features a summary of the phased learning for oneself on the one hand, and on the other hand, it provides a little more reference for those in need.

If you have implemented some functions not mentioned in this article, please present them in the comment area to provide more help for follow-up learners.

The Tibetan writing is full of words, and there are poems and books in the belly. I hope you can wander happily in the pāo of knowledge.

Because I am learning Python wildly and my level is really limited, it is inevitable that there are some omissions in the article. Please feel free to criticize and correct me.

Finally, I wish you all the siege lions, cherish life and protect the hairline! Part of the content of this article originates from the Internet!

**Welcome everyone to like, comment and reprint, please indicate the source! Call me, it's better to call me money!**

**Remarks can be made to the mailbox, and I will give away all the Python source code of this series of blogs.**

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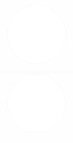
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[此代码运行时,要读取的 dwg文件 必须处于打开状态。 且 不能在 移动(pan) 模式。 启动代码: python dwg\_measurements\_comparison4.py […](https://blog.csdn.net/weixin_42193179/article/details/82898643)

[python autocad库\_在Python中加载AutoCad DWG文件\_Jonn...](https://blog.csdn.net/weixin_30647423/article/details/113960770)

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[在Python中需要渲染AutoCad DWG文件。 我的第一个问题是 1:-是否可以在python中渲染/加载dwg文件并在python环境中查看文件/图像?在 …](https://blog.csdn.net/weixin_30647423/article/details/113960770)

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[autoCAD支持C#二次开发的中文文档。](http://download.csdn.net/download/tl070602023/3059252)

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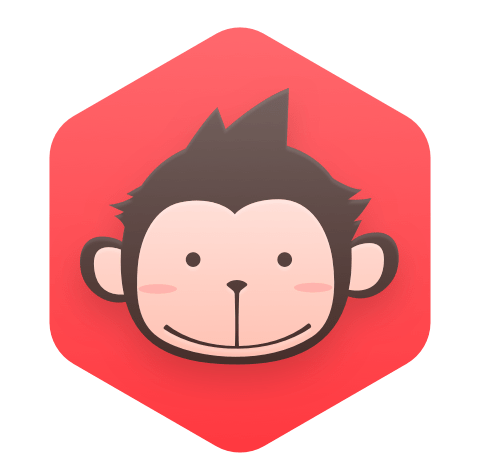
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[/usr/bin/env python # -\*- coding: utf-8 -\*- ''' === Author:DalNur Email: liyang@alu.hit.edu.cn Last Up](https://blog.csdn.net/weixin_39758956/article/details/110680458)



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| **contents**   1. Connection and library import 2. Open the file 3. New file 4. Set current    1. Set the known file name to curr…    2. Set unknown file name to current 5. Close and save changes |  | | | | | |
| * 1. Close existing files [Hulunbuir](https://dalnur.blog.csdn.net/)   2. CYlaorsdeatghee3neyewalyrs[creatNeodcfeilertification](https://i.csdn.net/%23/uc/profile?utm_source=14998968)   [425.3.](https://dalnur.blog.csdn.net/) [C10lo,0s0e0t+](https://blog.csdn.net/rank/list/weekly)he [c8u4r9re3nt](https://blog.csdn.net/rank/list/total) 2fi6le0,000+  [O6.riSgianvael](https://dalnur.blog.csdn.net/) [aWseekly](https://blog.csdn.net/rank/list/weekly) [Overall](https://blog.csdn.net/rank/list/total) access grade [ranking](https://blog.csdn.net/rank/list/weekly) [ranking](https://blog.csdn.net/rank/list/total)   * 1. Save as .dwg/.dxf   3012 992 507 867 2000   * 1. Save as a .pdf file   integral fan Praised Comment collect  7. Ending |
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Python

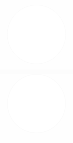
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