```
Python 2.7.14 (v2.7.14:84471935ed, Sep 16 2017, 20:19:30) [MSC v.1500 32 bit
(Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>> from mpl_toolkits.mplot3d import Axes3D
>>> from matplotlib import pylab as pl
>>> from PIL import Image
>>> import numpy as np
>>> import pylab
>>> img =
Image.open("A:\\home\\Desktop\\Expenses\\MARIA\\test_Fe(CO)4.png").convert('L')
>>> z   = np.asarray(img)
>>> mydata = mydata[::5,::5]

Traceback (most recent call last):
  File "<pyshell#7>", line 1, in <module>
    mydata = mydata[::5,::5]
NameError: name 'mydata' is not defined
>>> mydata = z[::5,::5]
>>> fig = pl.figure(facecolor='w')
>>>  ax1 = fig.add_subplot(1,2,1)

  File "<pyshell#10>", line 2
    ax1 = fig.add_subplot(1,2,1)
    ^
IndentationError: unexpected indent
>>> ax1 = fig.add_subplot(1,2,1)
>>> im = ax1.imshow(mydata,interpolation='nearest',cmap=pl.cm.jet)
>>> ax1.set_title('2D')
Text(0.5,1,'2D')
>>> ax2 = fig.add_subplot(1,2,2,projection='3d')
>>> x,y = np.mgrid[:mydata.shape[0],:mydata.shape[1]]
>>>
ax2.plot_surface(x,y,mydata,cmap=pl.cm.jet,rstride=1,cstride=1,linewidth=0.,antialia
sed=False)
<mpl_toolkits.mplot3d.art3d.Poly3DCollection object at 0x07343FF0>
>>> ax2.set_title('3D')
Text(0.5,0.92,'3D')
>>> ax2.set_zlim3d(0,255)
(0, 255)
>>> pl.show()
```