# Creating QR Codes with Python

I thought it would be fun to create a little program that could generate QR codes and show them onscreen with wxPython. Of course, I wanted to do it all with Python, so after a little looking, I came across 3 candidates:

* [python-qrcode](https://github.com/lincolnloop/python-qrcode" \t "https://www.blog.pythonlibrary.org/2012/05/18/creating-qr-codes-with-python/_blank) on github
* [pyqrcode](http://pyqrcode.sourceforge.net/" \t "https://www.blog.pythonlibrary.org/2012/05/18/creating-qr-codes-with-python/_blank) on sourceforge

I tried python-qrcode and pyqrnative since they worked on Windows as well as Mac and Linux. They also didn’t require anything except the Python Imaging Library. The pyqrcode project requires several other prerequisites and didn’t work on Windows, so I didn’t want to mess with it. I ended up taking some old code based on my [Photo Viewer](http://www.blog.pythonlibrary.org/2010/03/26/creating-a-simple-photo-viewer-with-wxpython/" \t "https://www.blog.pythonlibrary.org/2012/05/18/creating-qr-codes-with-python/_blank) application and modified it slightly to make this a QR Code viewer. If I’ve piqued your interest, then read on!

They’re very straight-forward, but not well documented, so I can’t really tell you what’s going on. Sadly at the time of this writing, the code for these projects is seriously lacking in docstrings, with only a few here and there. Still, I was able to generate some decent QR codes. The following was done using python-qrcode:

As you can see, it’s a pretty standard code. The next one is created with PyQRNative and is much denser looking

