**Printing Virus Labels with QR Codes using Python Script**

Name of script: print\_labels.py

Set up – only needs to be done once

1. Download and install [Python](https://www.python.org/downloads/) and [Anaconda](https://www.anaconda.com/download)
2. Open “Anaconda prompt” terminal
3. Create conda environment
   1. In terminal, type:  
      conda create -n “NAME” python=3.9



And follow prompts

1. Activate conda environment (this is not automatically done when you create the environment)
   1. In terminal, type:

conda activate “NAME”

1. Change directory to where you input file and script is located
   1. *Example:* cd /Users/jada.roth/Desktop
2. pip install fpdf2 and qrcode packages.
   1. In terminal, type:

pip install fpdf2 qrcode



1. conda install packages
   1. conda install pandas
   2. conda install anaconda::spyder

Running script

1. Activate conda environment
   1. conda activate “NAME”
2. Change directory to where your input file and script is located. In this example case, both files are located on my Desktop
   1. cd /Users/jada.roth/Desktop
3. Run script!
   1. python -m print\_labels /Users/jada.roth/Desktop/tic\_tac\_QR\_code.csv /Users/jada.roth/Desktop
      1. Path 1 is where the source csv file is
      2. Path 2 is where the output pdf will be saved
4. Print
   1. Print using “actual size”

Notes

1. Each sheet has 30 labels. The script will export separate PDFs for each additional sheet of labels (not one, multi-page PDF). This is because the label papers stick together in the printer, so they will need to be printed one page at a time anyway.