If your Raspberry Pi comes with PYTHON 3 then this document is for you to run dnn.py in PYTHON version 3. Otherwise you can ignore this document!

1. Create a separate PYTHON environment for running dnn.py version 2.7 script to version 3.11
    1.1. python -m venv /home/user/dnn3env
2. Activate dnn3env environment
    2.1. source /home/user/dnn3env/bin/activate
3. We need 3 packages to install
    3.1. pip install tensorflow
    3.2. pip install 2to3
    3.3. pip install opencv-python
4. Convert dnn.py and model.py to python version 3 using 2to3 package
    4.1. 2to3 -w dnn.py
    4.2. 2to3 -w model.py
5. Convert some tensorflow related commands for our dnn.py and model.py scripts to run it on PYTHON 3
    5.1. tf_upgrade_v2 --infile dnn.py --outfile dnn_u.py
    5.2. tf_upgrade_v2 --infile model.py --outfile model_u.py
6. Rename your files after step 4
    6.1. mv dnn_u.py dnn.py
    6.2. mv model_u.py model.py
7. Add following line after “import tensorflow as tf” in dnn.py
    7.1. tf.compat.v1.disable_v2_behavior()
8. Now following command should run your dnn.py script in PYTHON 3
    8.1. python dnn.py