Github Repository Link: <https://github.com/YadiraF/PRNet>

**Steps to Run:**

git clone https://github.com/YadiraF/PRNet

cd PRNet

Now, Download the pre-trained model from the drive link: [Drive](https://drive.google.com/file/d/1UoE-XuW1SDLUjZmJPkIZ1MLxvQFgmTFH/view?usp=sharing) and put it into Data/net-data

**Create a new empty folder** inside the path TestImages/AFLW2000\_results named AFLW2000

Thus, the path to final output folder will be TestImages/AFLW2000\_results/AFLW2000

Create an anaconda virtual environment:(Having python 3.6)

conda create -n test\_env python=3.6

Now, activate the environment,

conda activate test\_env

To install the dependencies, run:

pip install -r requirements.txt

Now, Run the test code:

python run\_basics.py

This will generate output 3d faces in the folder: TestImages/AFLW2000\_results/AFLW2000/

**To run the code on our own images:**

Create folders to store inputs and outputs.

For example, create folders,

TestImages/Test\_Input/

And save the input images in the folder.

TestImages/Test\_Output/Test\_Input/

(Empty folder initially)

**Notes:**

The faces from the input images must be manually cropped as we are not using the dlib library. Also, to generate a good quality 3d output, the input image should originally be as close to a square as possible.

Images above the resolution 1000\*1000 do not work. So resize the input images before running the script. (Do not change the original aspect ratio)

**Run the script:**

python demo.py -i TestImages/Test\_Input/ -o TestImages/Test\_output/ --isDlib False