**Human Parts Detection in Human Statue**

**Getting Started**

Copy python script Head.py, Torso.py, Hand.py, Body.py and Body\_Video.py on your local Linux system and put it inside current working directory.

**Prerequisites:**

* Python 3.5+
* NumPy
* OpenCV >3.3

**Installation**

1.Download pose\_deploy\_linevec.prototxt from below link and put it inside current working directory.

<https://github.com/CMU-Perceptual-Computing-Lab/openpose/blob/master/models/pose/coco/pose_deploy_linevec.prototxt>

**2.**Download pose\_iter\_440000.caffemodel by using below command**:**

wget <http://posefs1.perception.cs.cmu.edu/OpenPose/models/pose/coco/pose_iter_440000.caffemodel>

**Running the Script**

1.To test Head of the Human Statue, run below command:

python3.5 Head.py --input =input Image

2. To test Torso of the Human Statue, run below command:

python3.5 Torso.py --input =input Image

3. To test Hand of the Human Statue, run below command:

python3.5 Hand.py --input =input Image

4. To test complete body of the Human Statue, run below command:

python3.5 Body.py --input =input Image

4. To test complete body of the Human Statue for video input, run below command:

python3.5 Body\_Video.py --input= (Input Video Path)