

- quantizer.json : File containing scaling factors for each layer in the corresponding network.
- meta.json: File containing library path, xclbin paths.
- Image directory
  - Containing .jpg images

## **⊘** Run Inference

The script takes the compiler output directory and an image directory (fixed to image in currect path, can be changed) and run classification.

## **Syntax**

```
python resnet50.py <number of threads> <compiler output directory>
```

## Example

```
cd /workspace/alveo/examples/vitis_ai_alveo_samples/resnet50_mt_py/
python resnet50.py 1 ./model
```

## Classification results display on console window

```
Top[0] 0.999950 golf ball
Top[1] 0.000017 tennis ball
Top[2] 0.000013 baseball
Top[3] 0.000010 croquet ball
Top[4] 0.000003 soccer ball
```

NOTE: vitis-ai-caffe or vitis-ai-tensorflow conda environment must be activated to run this example.