#Steps To Run the Code:

1. Install python

2. install following dependencies via pip. (open cmd and type: pip install **dependency\_name**)

-tensorflow

-numpy

-scipy

-opencv

-pillow

-matplotlib

-h5py

-keras

then type in cmd:

pip3 install  <https://github.com/OlafenwaMoses/ImageAI/releases/download/2.0.2/imageai-2.0.2-py3-none-any.whl>

click on the link below to download retina net file

<https://github.com/OlafenwaMoses/ImageAI/releases/download/1.0/resnet50_coco_best_v2.0.1.h5>

Install the AI Library  
  
pip3 install <https://github.com/OlafenwaMoses/ImageAI/raw/master/dist/imageai-1.0.2-py3-none-any.whl>

Download the ResNet Model file which was trained on the ImageNet-1000 dataset and copy the file to your python project folder.

<https://github.com/fchollet/deep-learning-models/releases/download/v0.2/resnet50_weights_tf_dim_ordering_tf_kernels.h5>

Download the following file:

<https://github.com/OlafenwaMoses/ImageAI/releases/download/1.0/yolo.h5>

Now save the image to be worked on as “image3.jpg”(inverted commas excluded)

Now run the python program and it will save the output image as image3new.jpg.

The spreadsheet is saved as samples.xlsx containing the list of identified objects.

NOW RUN THE PYTHON PROGRAM....................:)