#Requirements: Tensorflow and tensorflow\_hub installed in your Python Virtual Environment

#make tf\_files folder in any directory and give the path

# (Pls Enter Your Folder Path in the Commands)

# ------- 🡪 Just type as it is, it ll create a new directory automatically in python

#Jewellery Dataset 🡪 you can download it from google and give the path in the commands.

#Jewellery training

python retrain.py --image\_dir C:\Users\sanyam.surana\Desktop\Jewellery

--output\_graph C:\Users\sanyam.surana\Desktop\training\_Set\tf\_files2\output\_graph

--output\_labels C:\Users\sanyam.surana\Desktop\training\_Set\tf\_files2\output\_labels

--summaries\_dir C:\Users\sanyam.surana\Desktop\training\_Set\tf\_files2\summaries --how\_many\_training\_steps 300

--bottleneck\_dir C:\Users\sanyam.surana\Desktop\training\_Set\tf\_files2\bottlenecks

--tfhub\_module <https://tfhub.dev/google/imagenet/resnet_v2_50/classification/3>

--saved\_model\_dir C:\Users\sanyam.surana\Desktop\training\_Set\tf\_files2\models

#Jewellery Prediction

C:\Users\sanyam.surana\Desktop\AI and NLP>python label\_image.py --graph C:\Users\sanyam.surana\Desktop\training\_Set\tf\_files2\output\_graph --labels C:\Users\sanyam.surana\Desktop\training\_Set\tf\_files2\output\_labels --input\_height 224 --input\_width 224 --input\_layer Placeholder --output\_layer final\_result --image C:\Users\sanyam.surana\Downloads\assignment\_2\_and\_files\test2.jpg

#output

2019-05-20 16:48:41.496725: I tensorflow/core/platform/cpu\_feature\_guard.cc:141] Your CPU supports instructions that this TensorFlow binary was not compiled to use: AVX2

ring 0.95022726

necklace 0.024939483

bracelet 0.023155646

earring 0.0016776186