Part 3: Image segmentation:

**Languages used:**

Python 3.6

**Packages used**

Numpy

Sys

OpenCV

PIL

GLOB

**Execution instructions:**

All image files in the source path will be segmented. And placed in clusteredimages folder. Make sure to make that folder.

I use Unix command line prompt.

Syntax usage use: **python3 part3.py <source path> <destination path> <number of clusters>**

for this program I had passsed:

**python3 part3.py /assignment4/part3/ /assignment4/part3/clusteredImages 8**

Parameters used:

**kmeans(Z,K,None,criteria,10,cv2.KMEANS\_RANDOM\_CENTERS)**