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Subject: Al

I decided to use Matlab for this task because it's relatively easier to manipulate arrays in matlab and work with image processing.

The function, I wrote for this task is called **clustering(pic, k)**

Input: A 3d RGB image and k.

output: segmented images on the basis of k mean clustering.

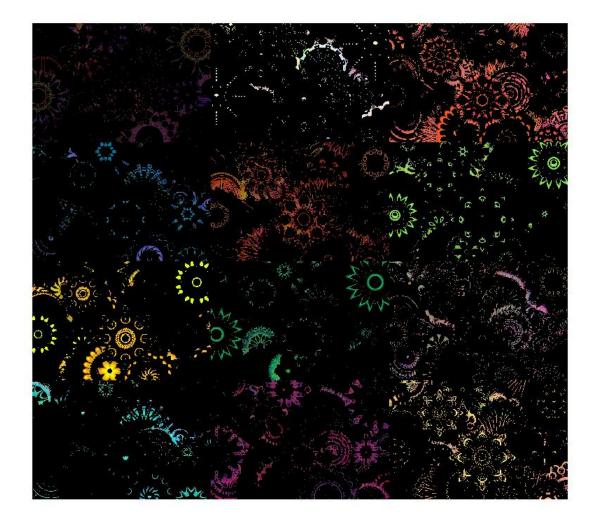
I have followed the same basic principles of k mean clustering. The results are pretty good but sometimes due to randomness of starting RGB values, the result is not as good as expected.

Here are sample inputs and outputs of my written code:

Input: Picture as given below and k=12



Output: 12 segments



Input: Picture as given below and k = 9



Output = 9 segments

