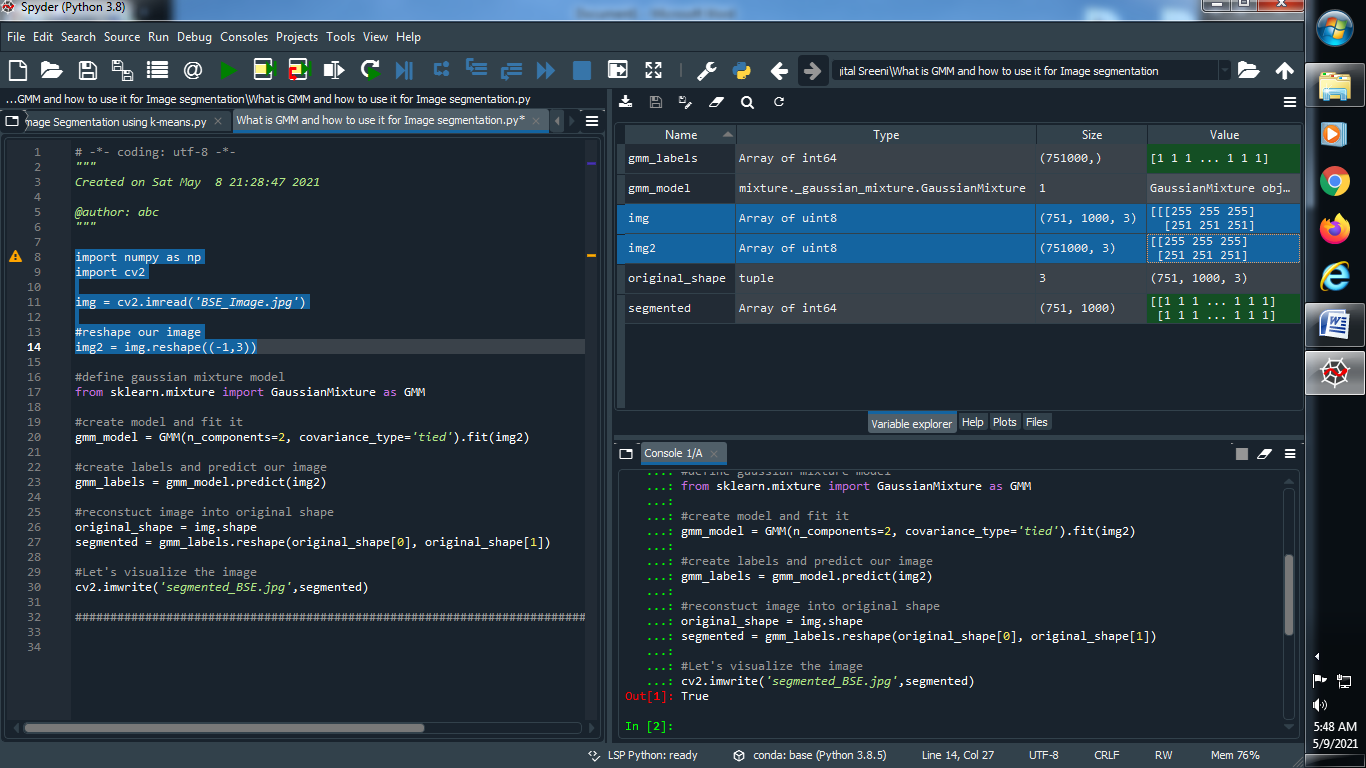
**GMM(Gaussian mixture matrix) :**

**→ Gaussian mixture model is also a clustering technique, just like k-means with a slight variation .**

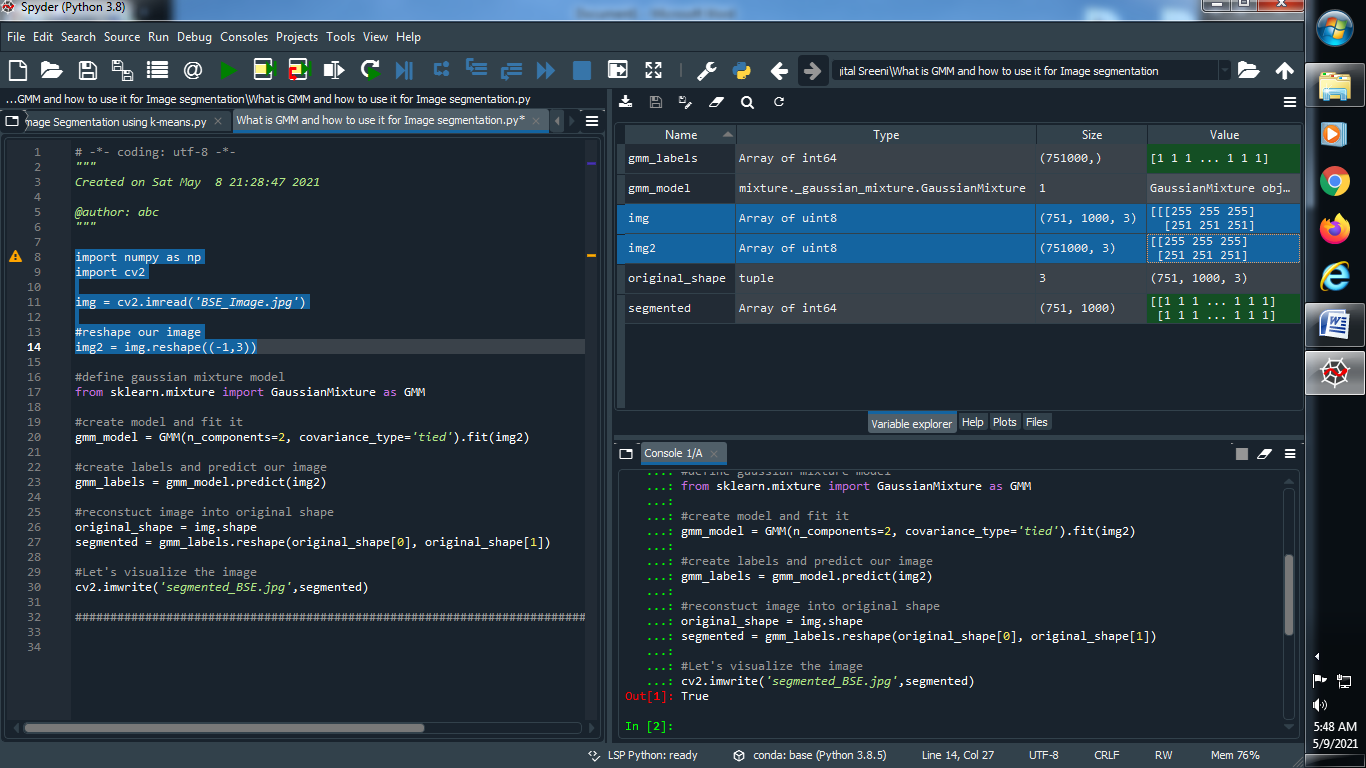
**→ It is also another technique of un-supervised learning .**

**→ Gaussian means it is nothing but a bell curve that have a center (mean) and It has standard deviation .**

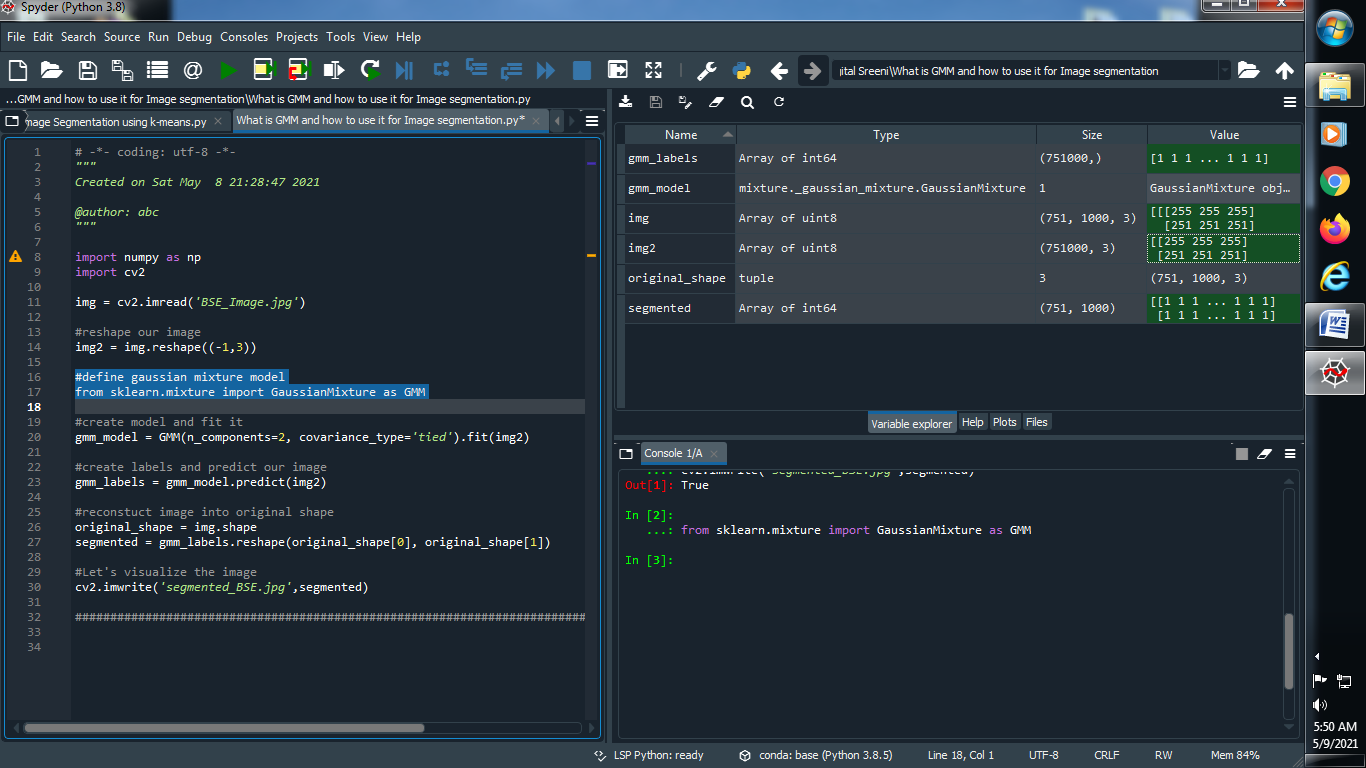
**(1) read our image and reshape it .**

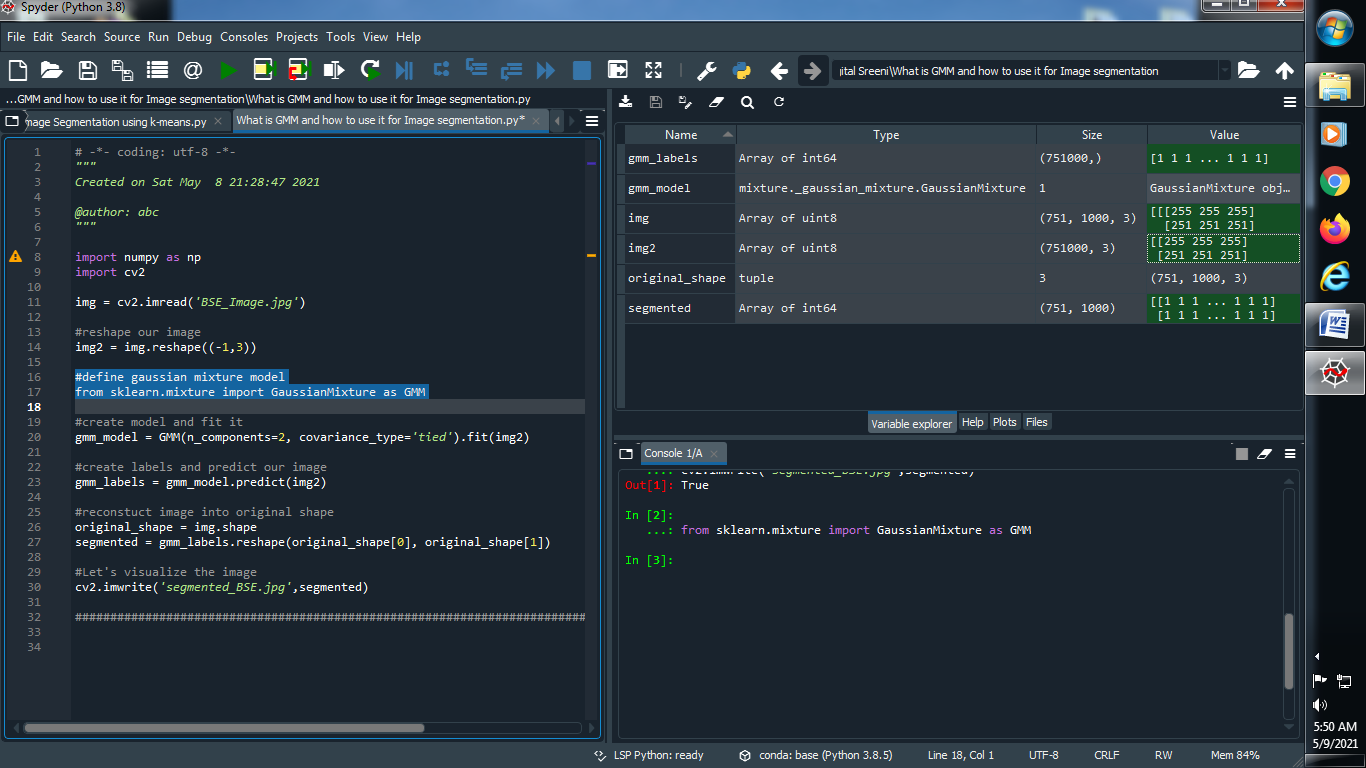
****

**Output :**

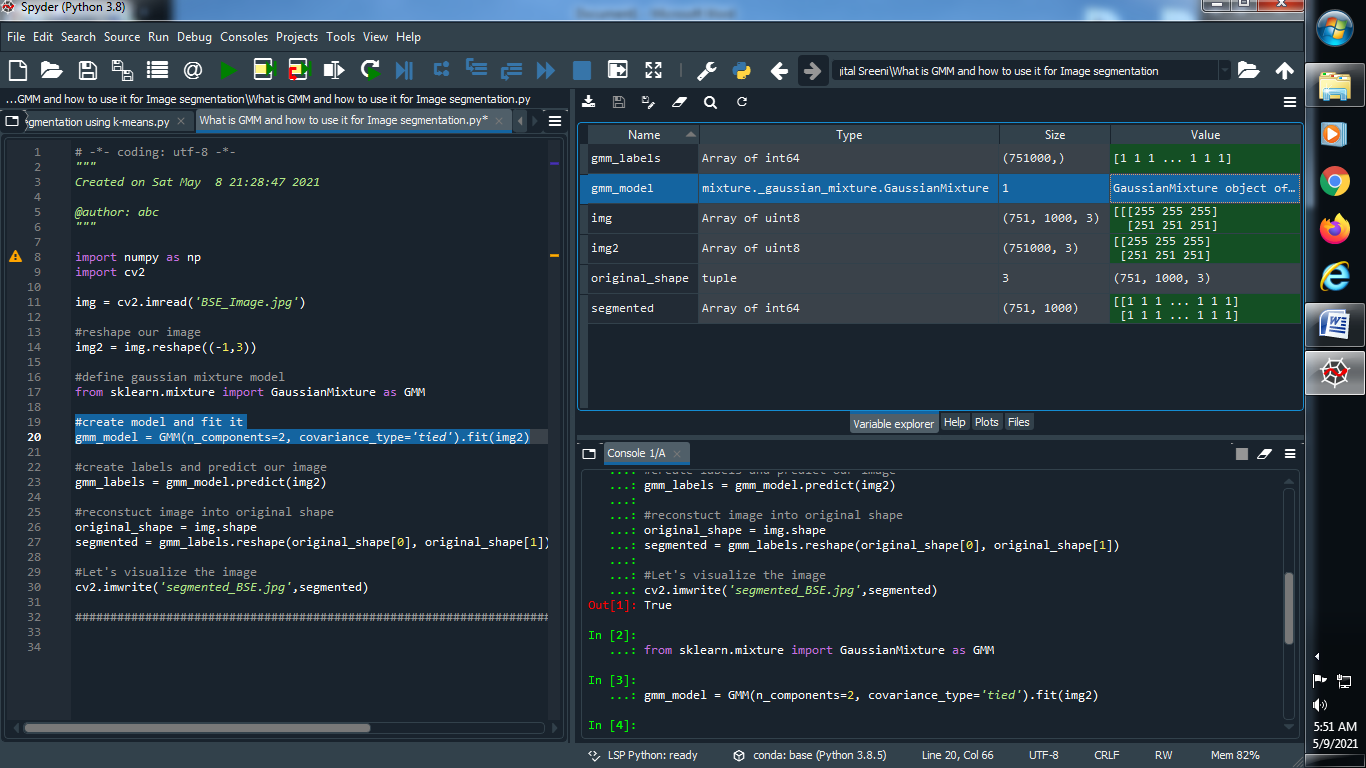
****

**(2) Define Gaussian mixture model .**

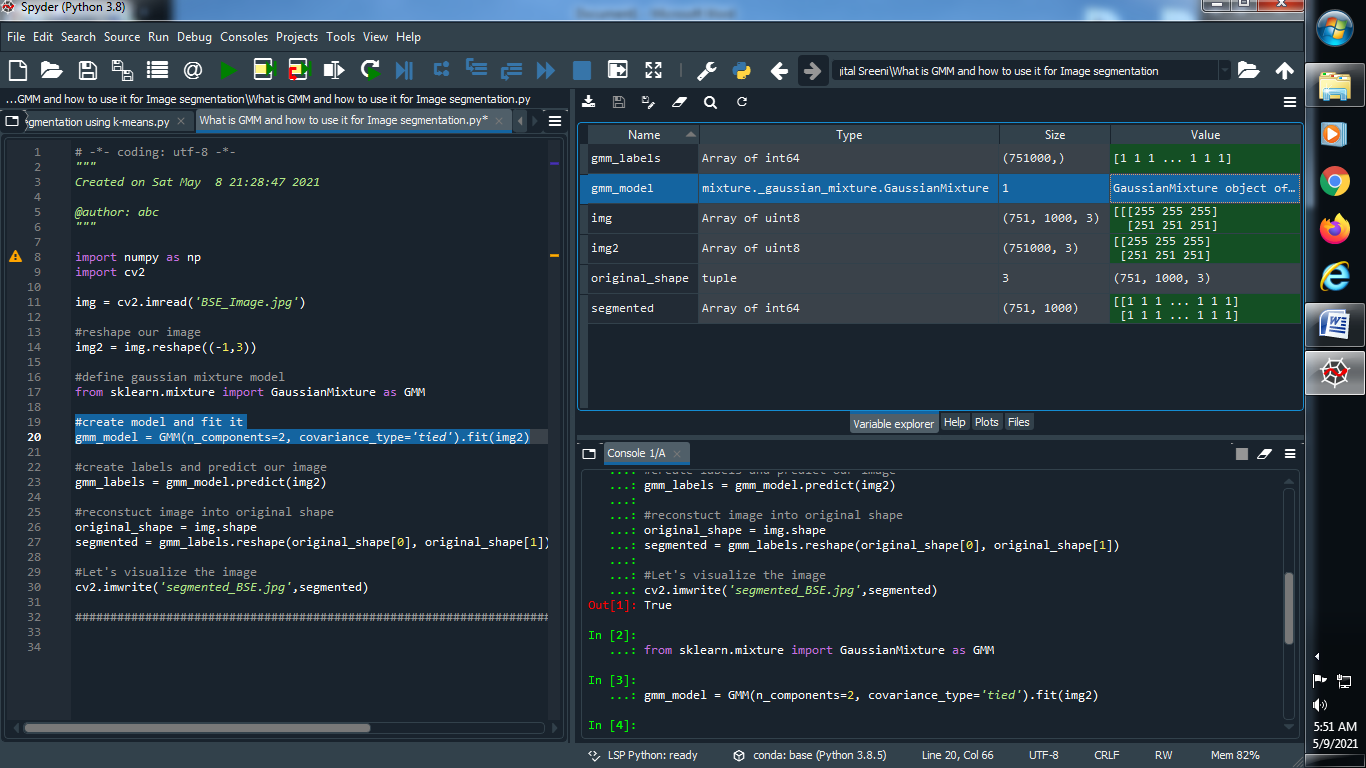
****

****

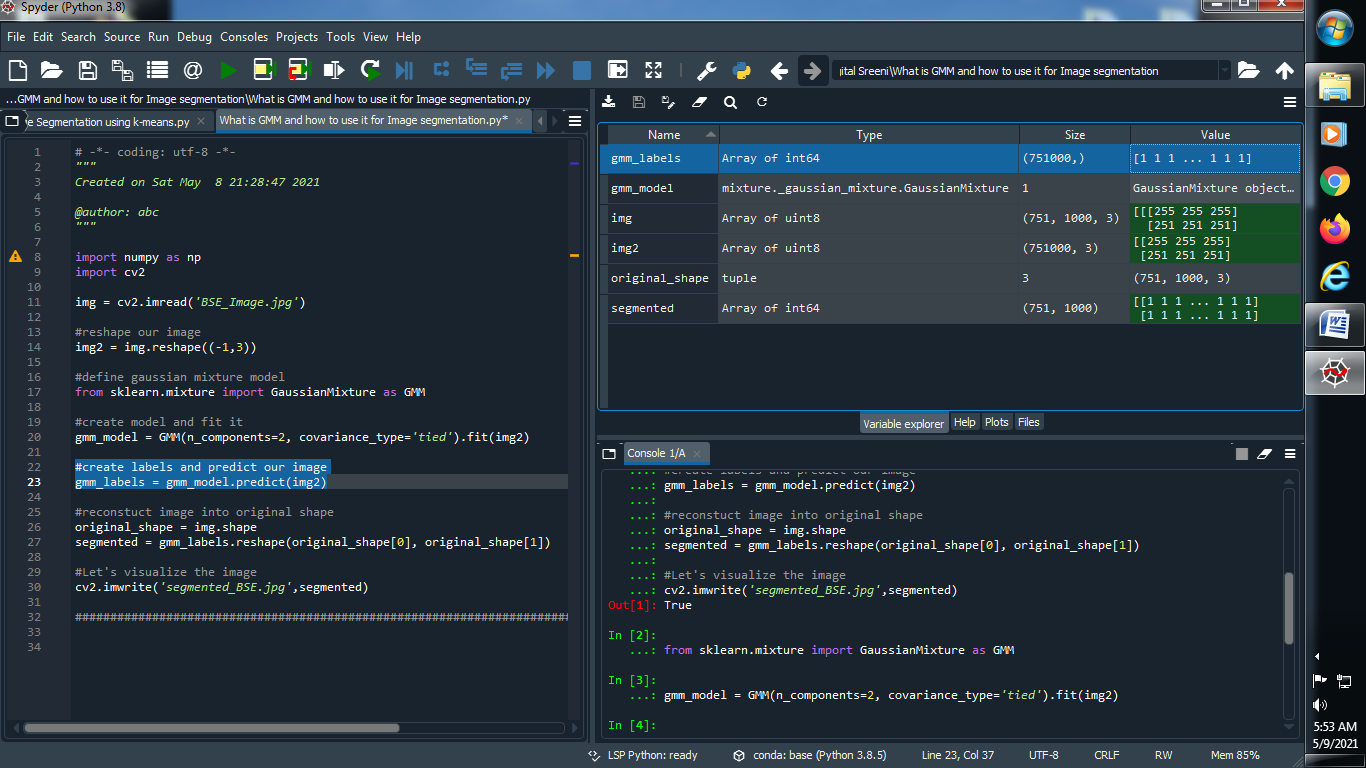
**(3) Create a model and fit it .**

****

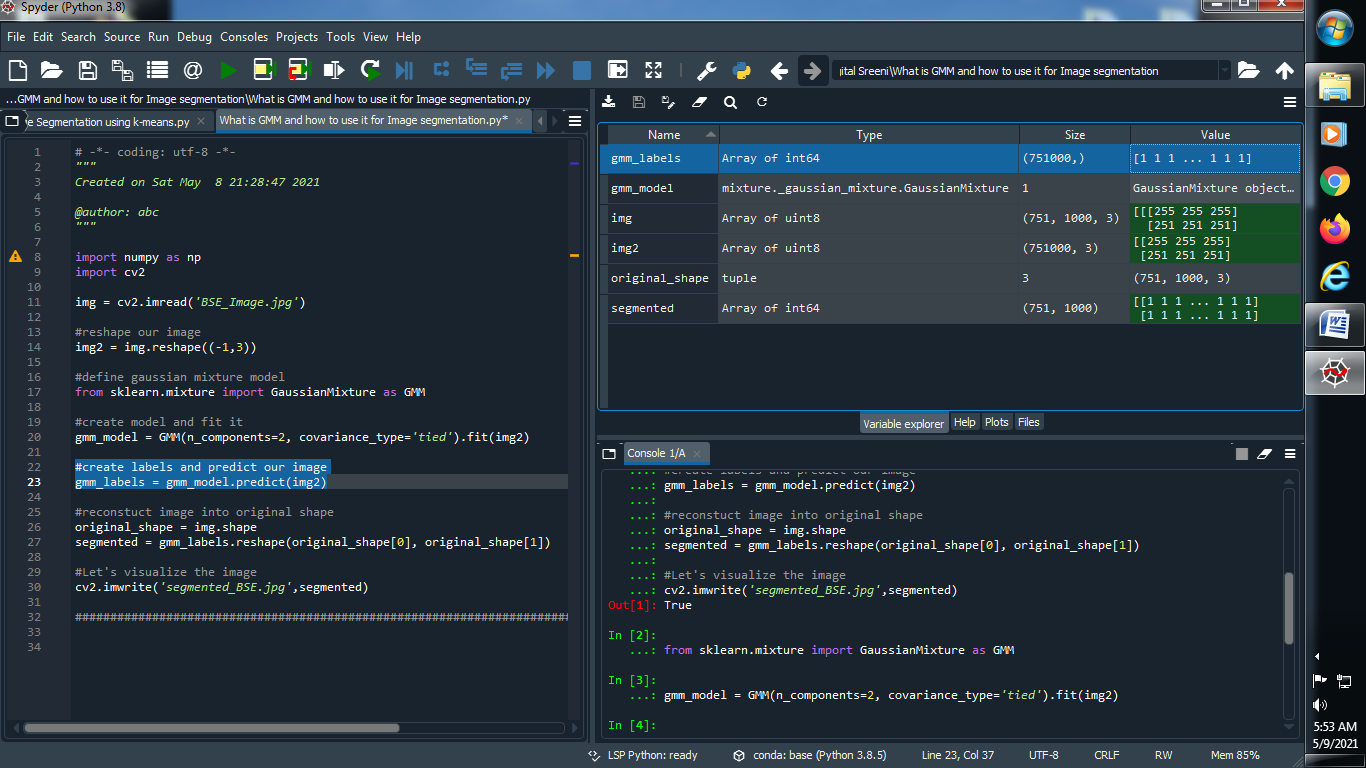
**Output :**

****

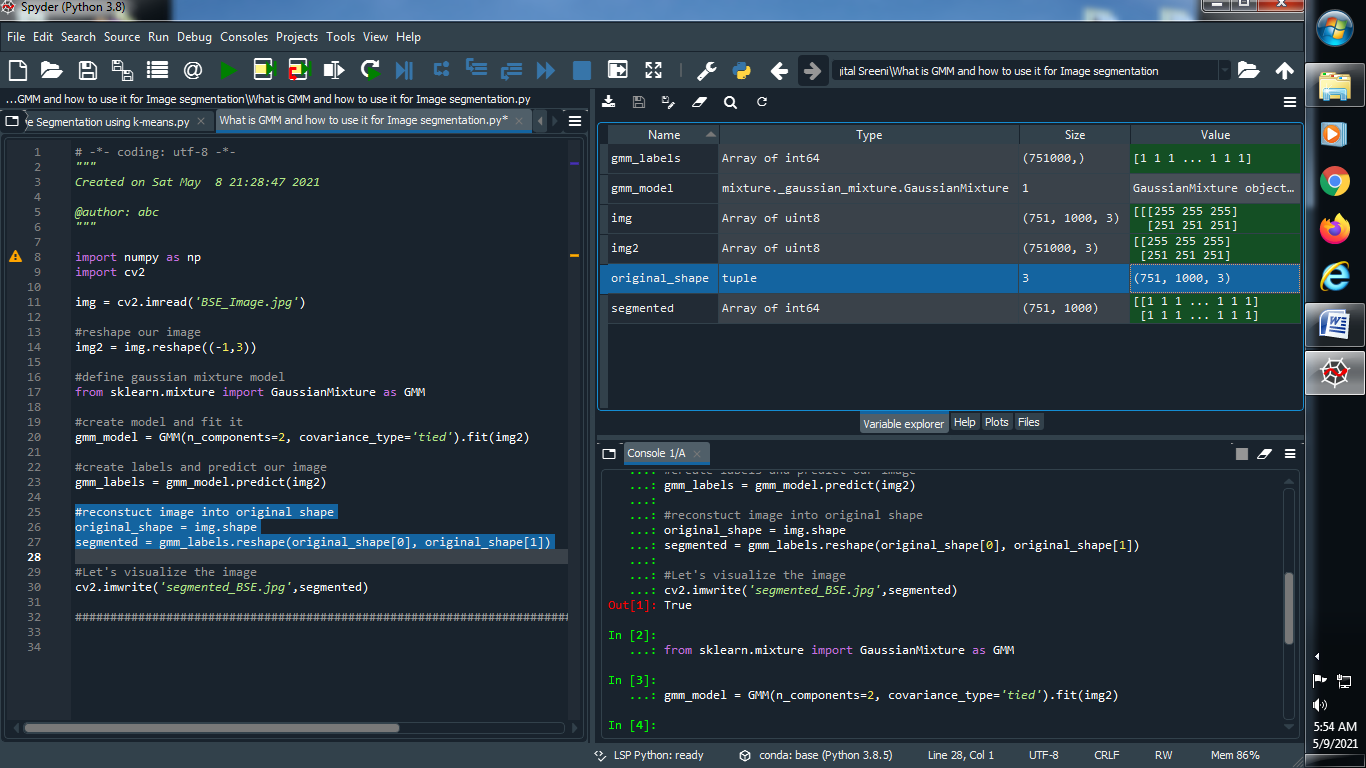
**(4) Create labels and predict our image :**

****

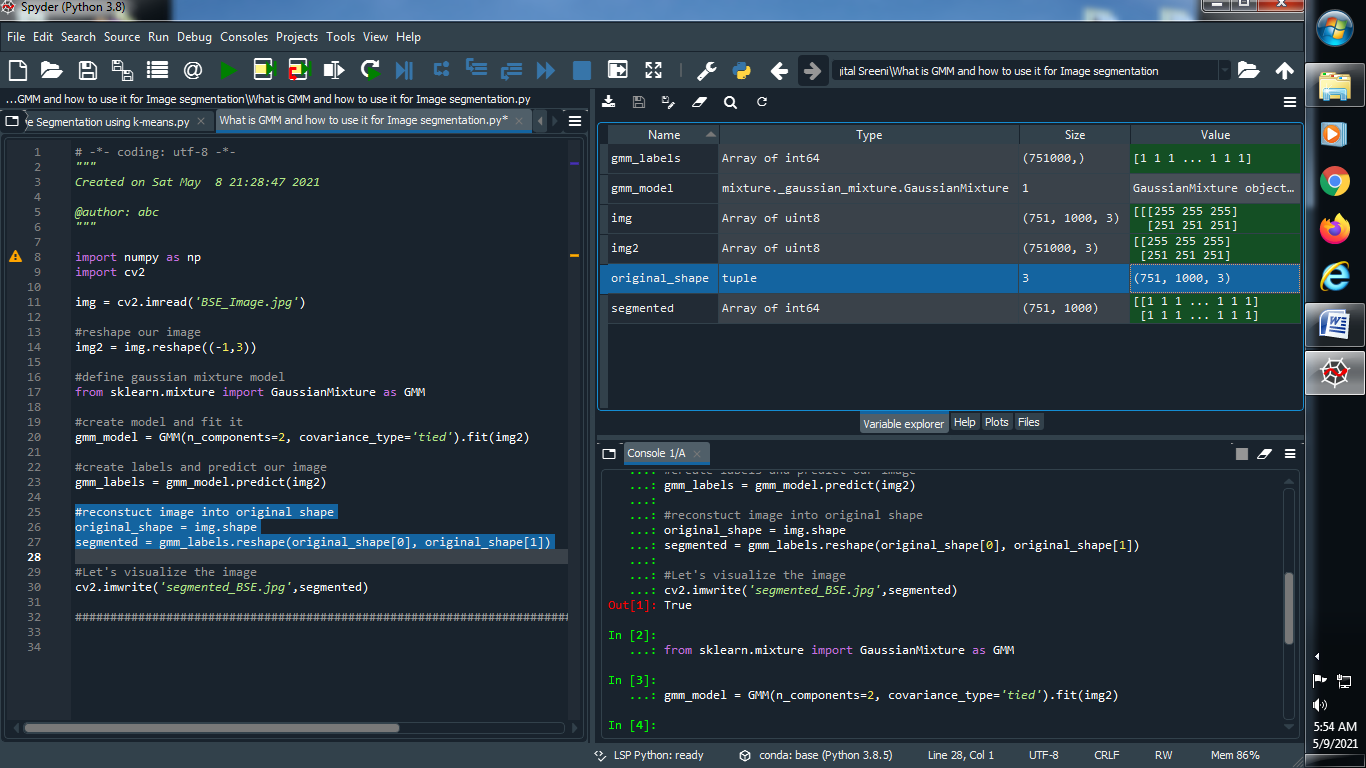
**Output :**

****

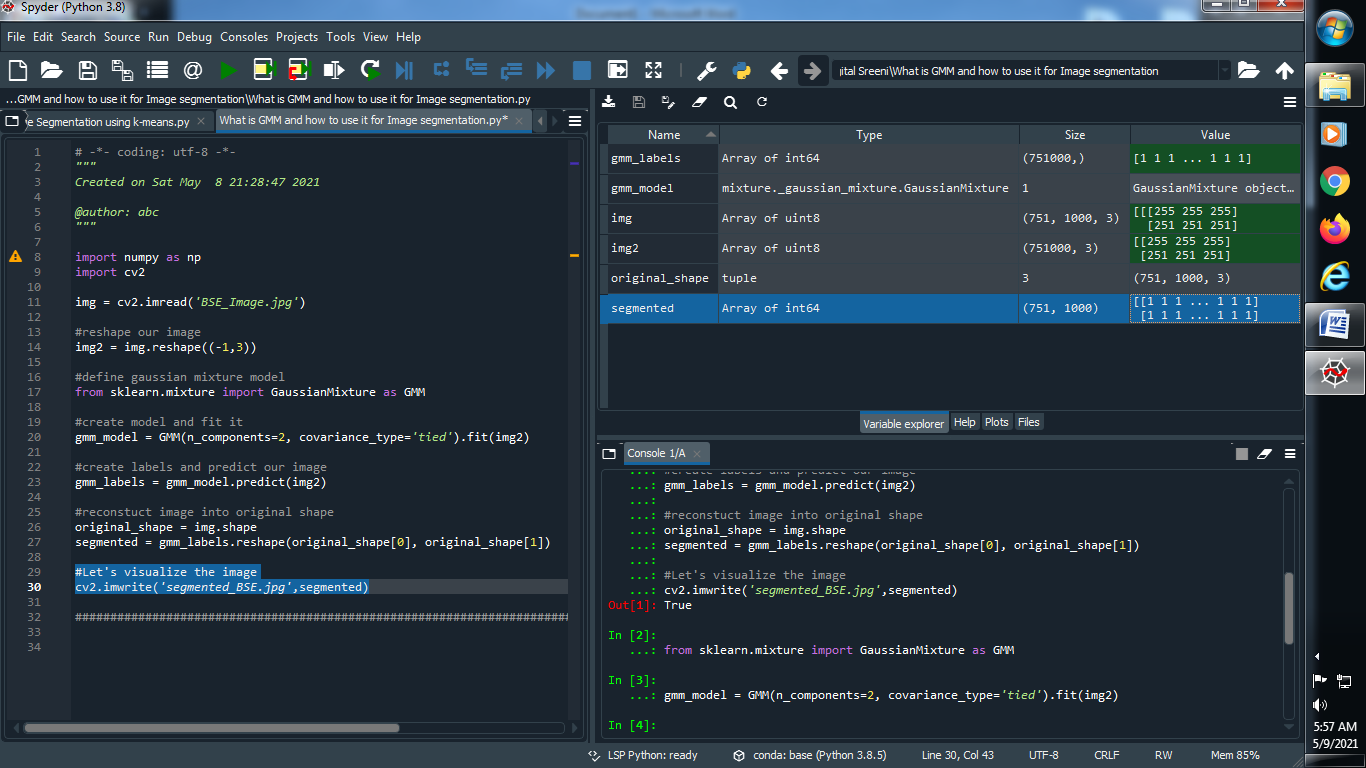
**(5) Reconstruct image into original shape**

****

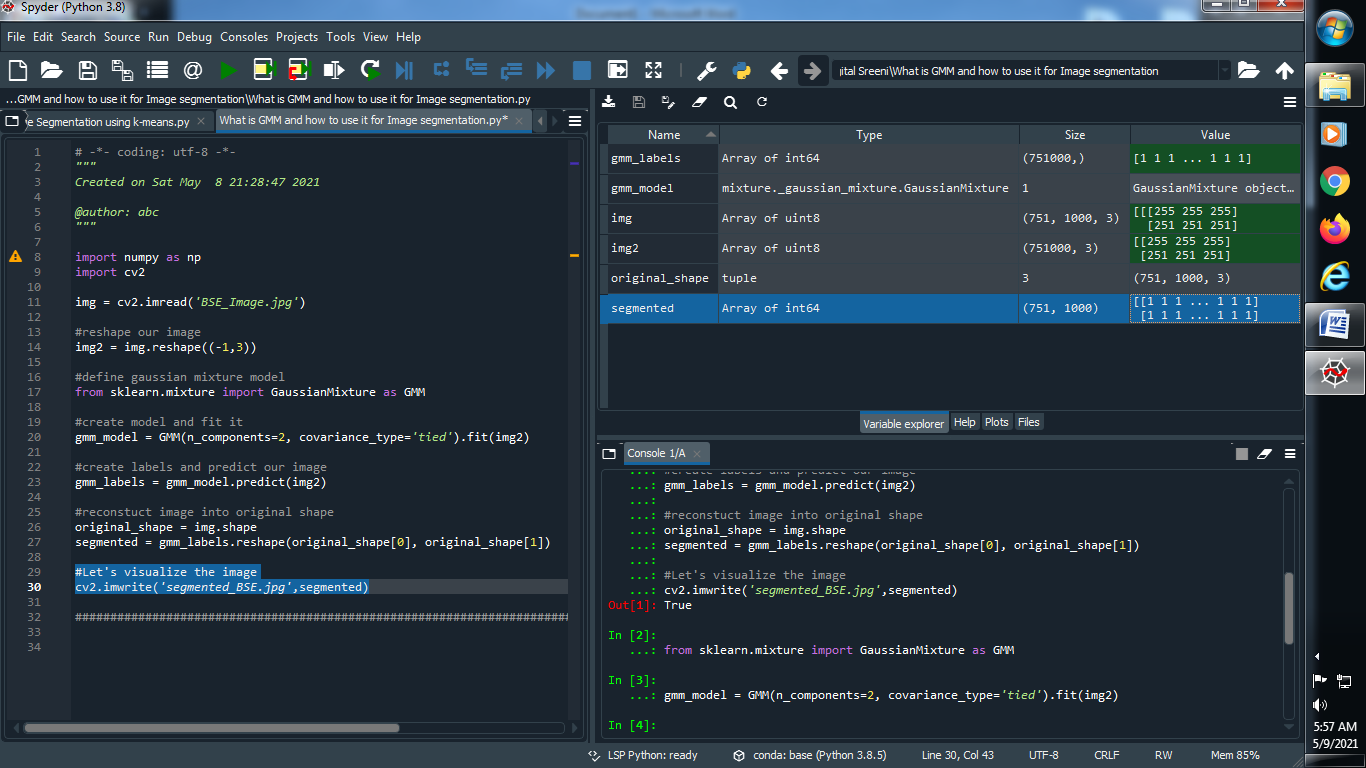
**Output :**

****

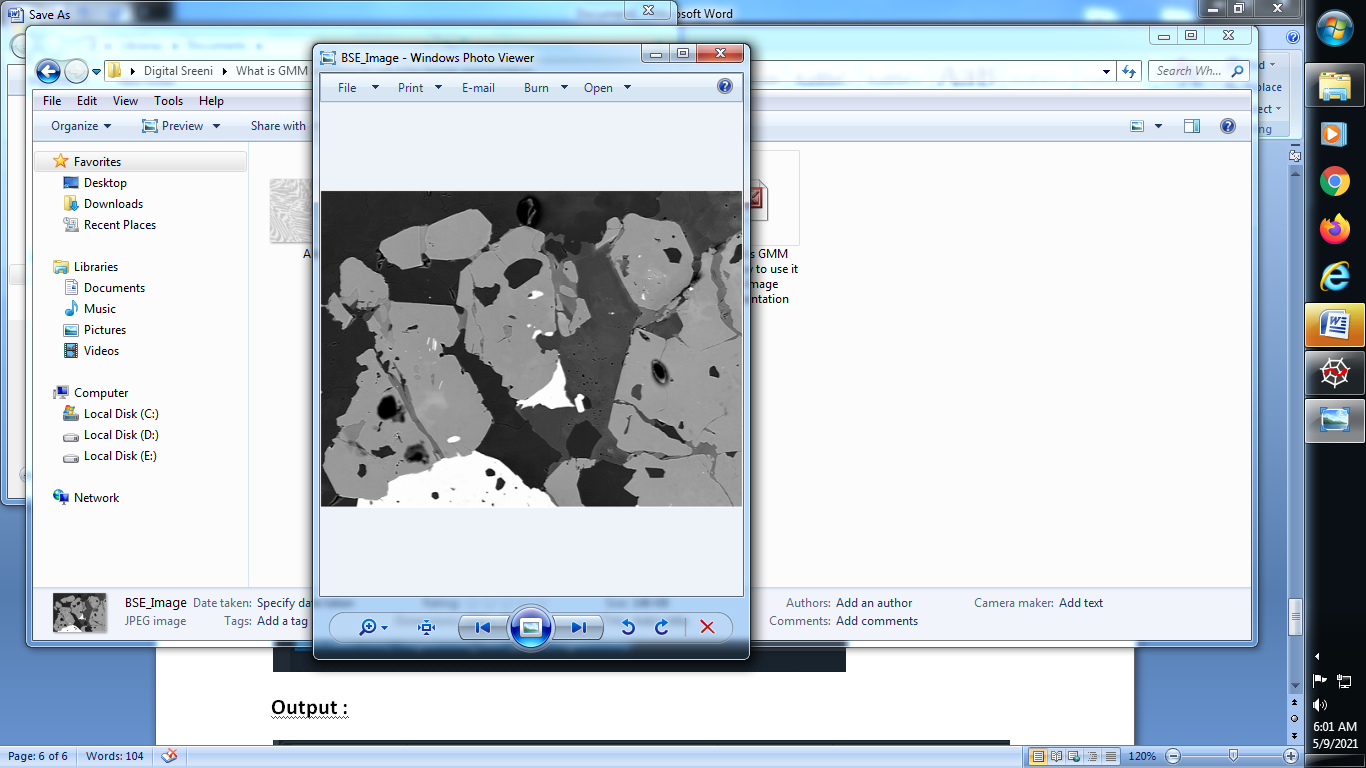
**(6) Let’s Visualize our image :**

****

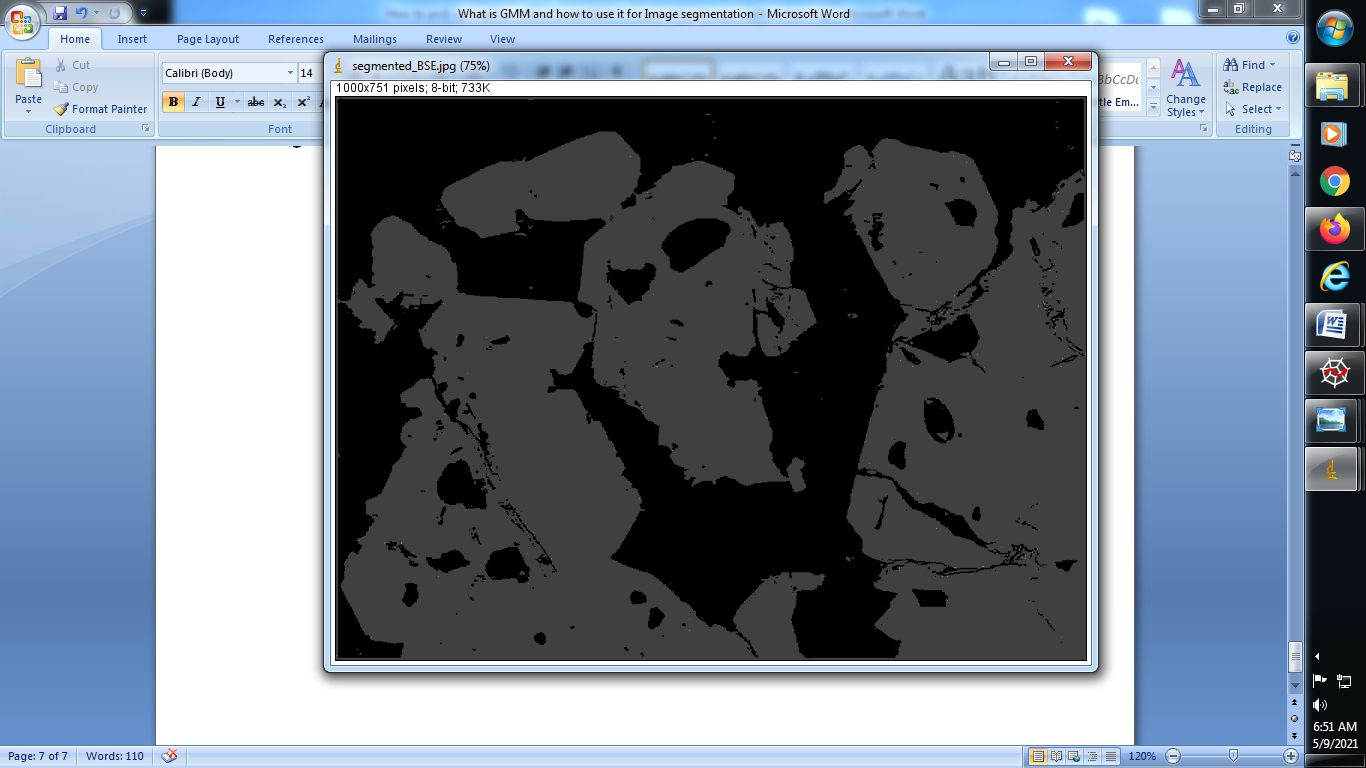
**Output :**

****

**Original Image :**

****

**Segmented image :**

****