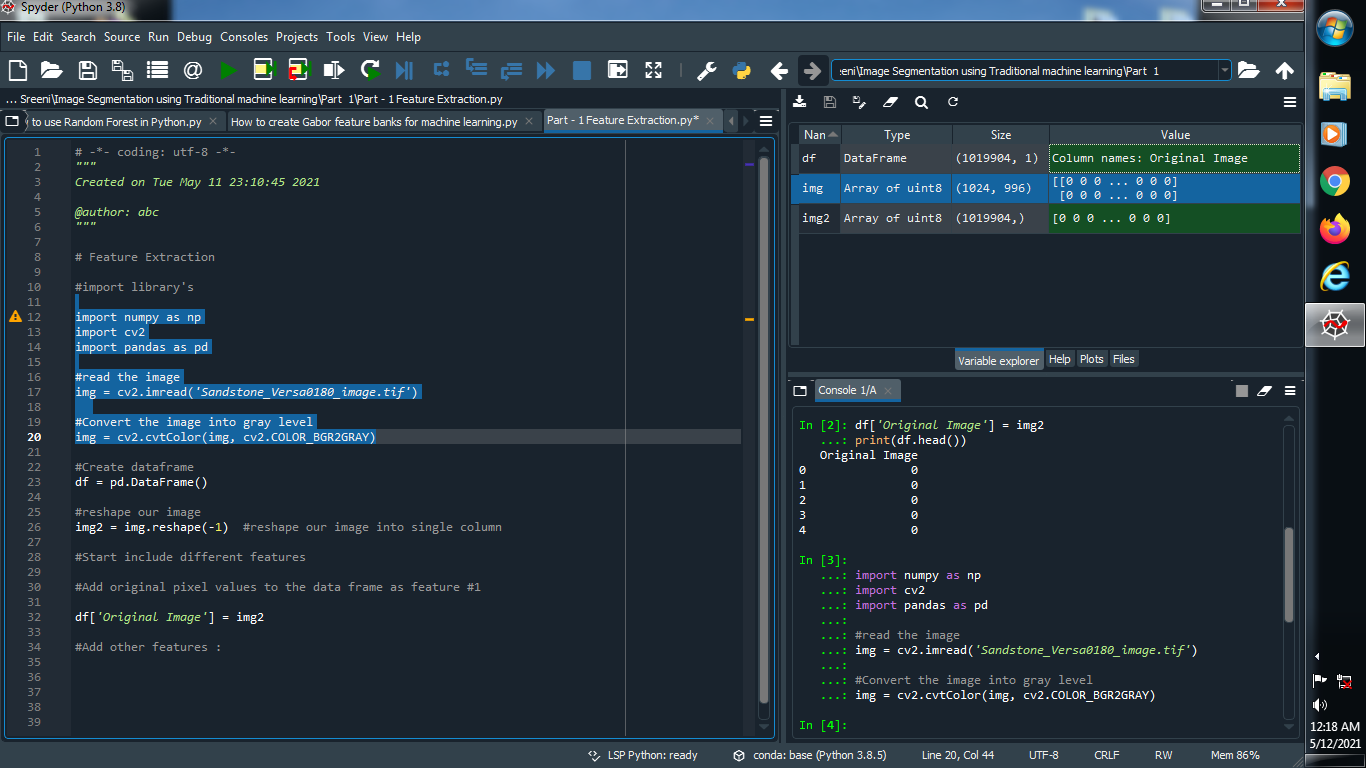
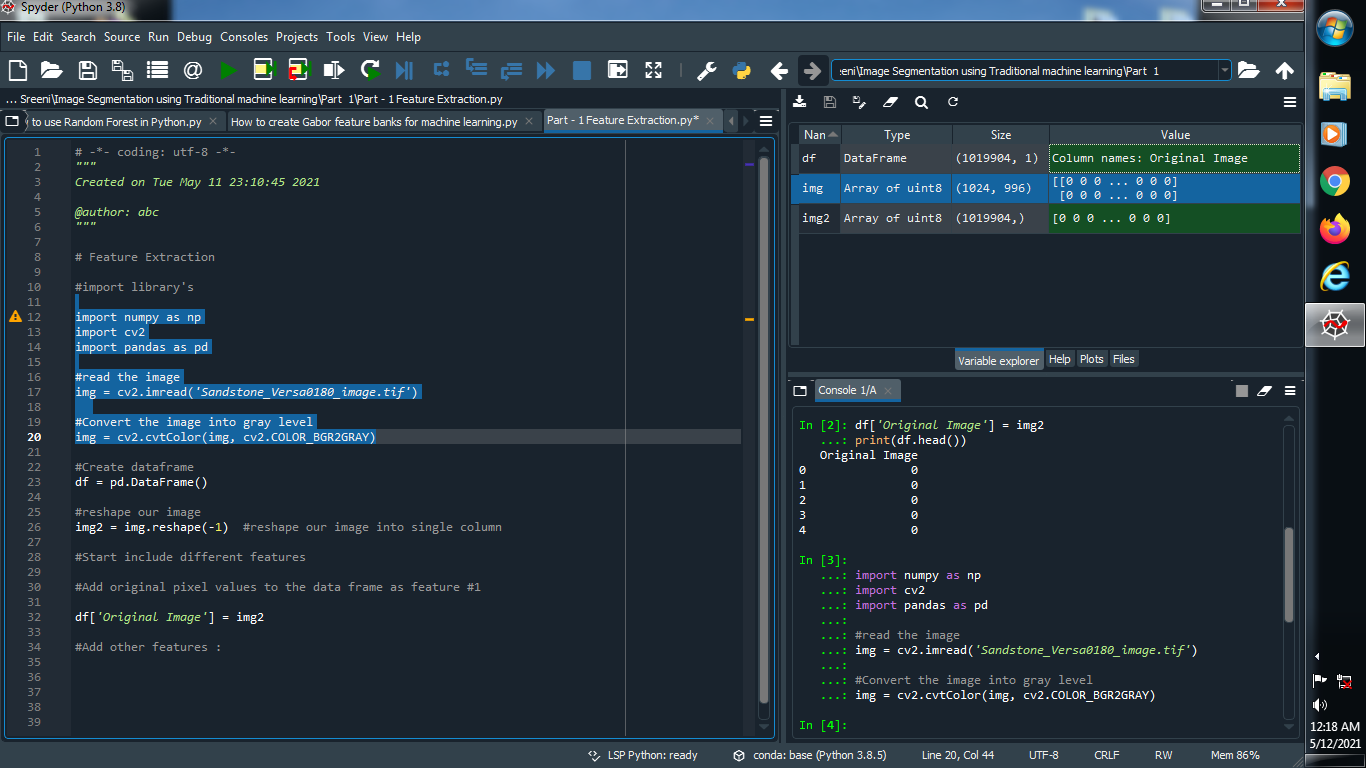
**Part : 1 Feature Extraction**

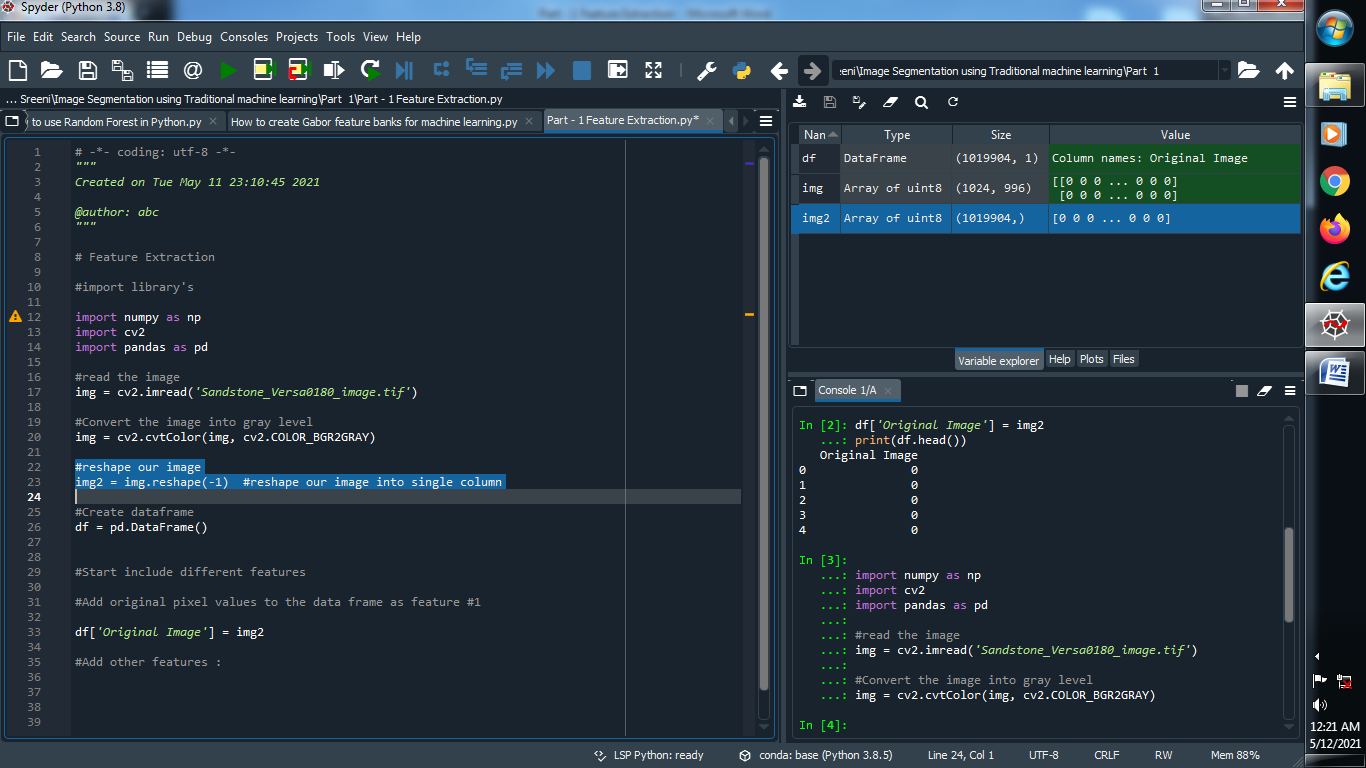
**(1) Read the image and Convert it into gray level image :**

****

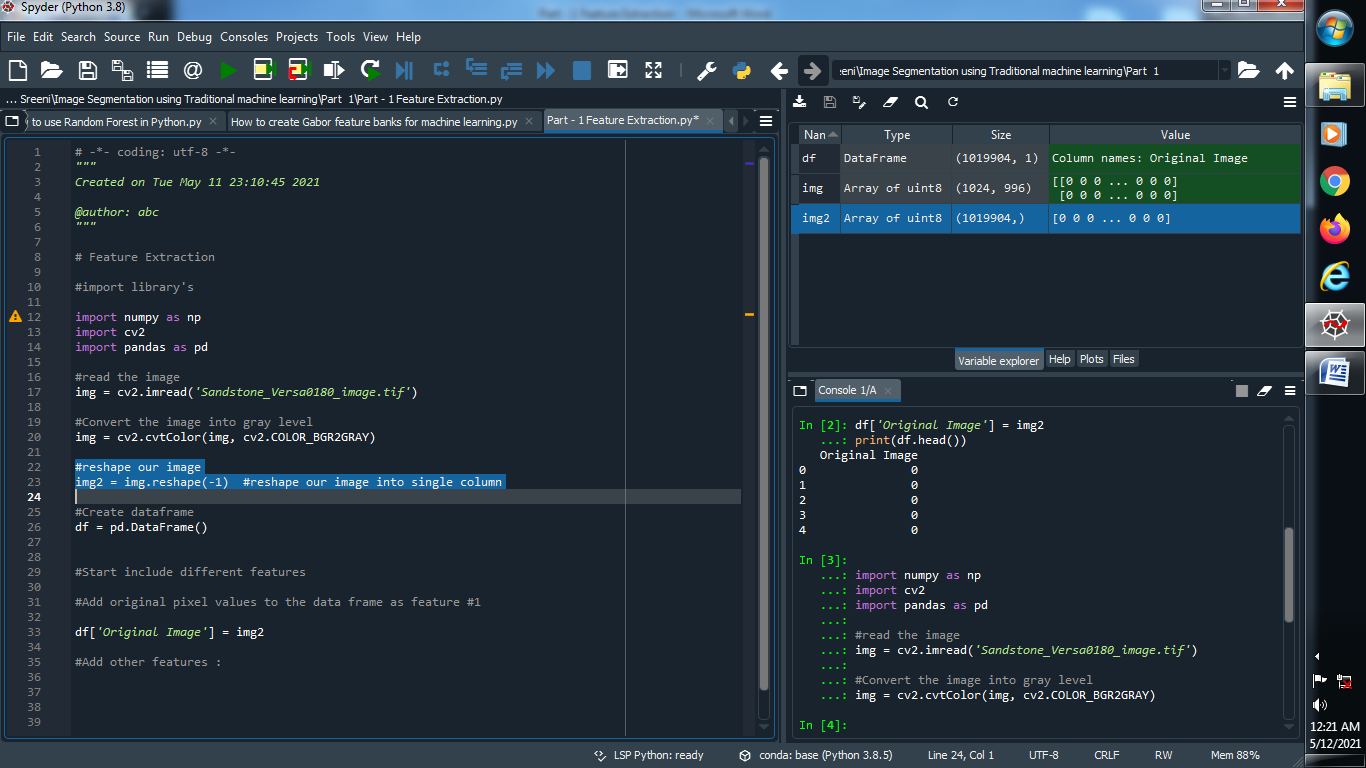
**Output :**

****

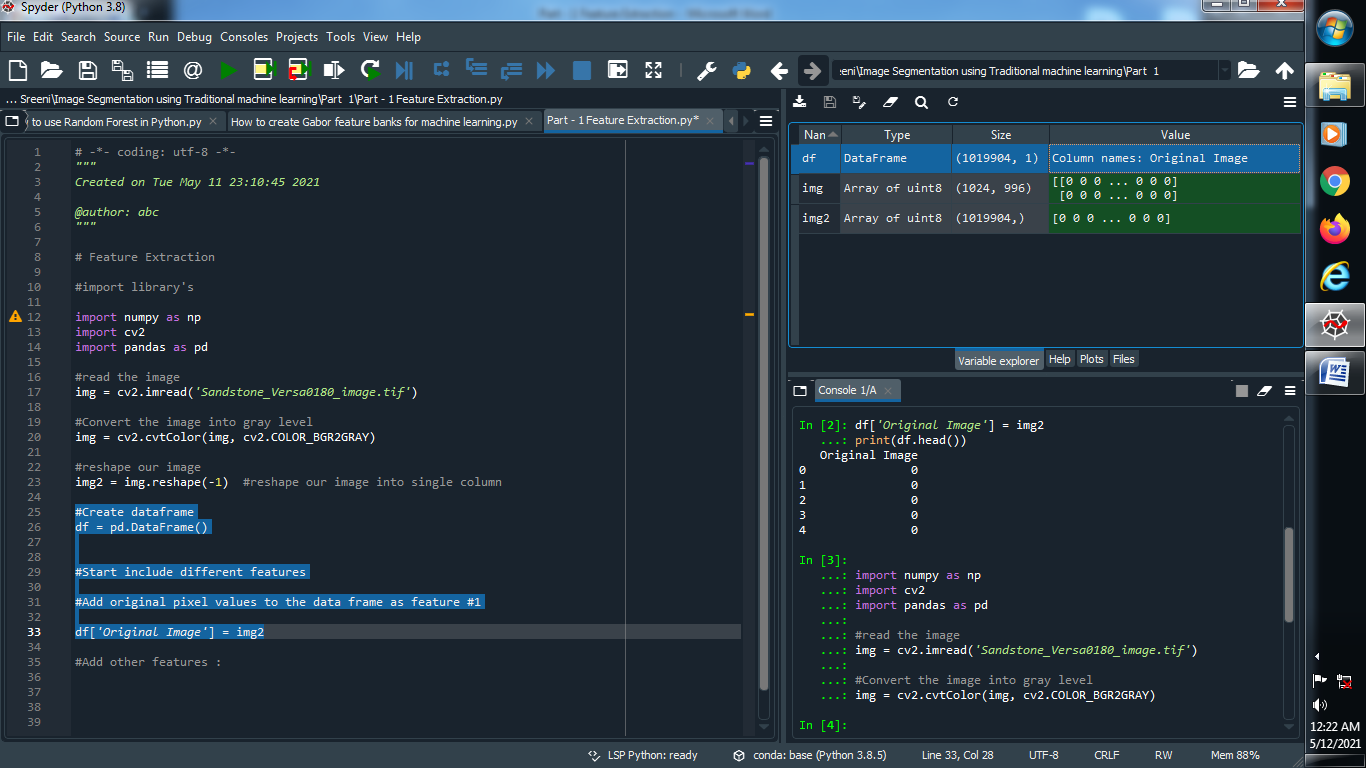
**(2) Reshape our image into single dimension :**

****

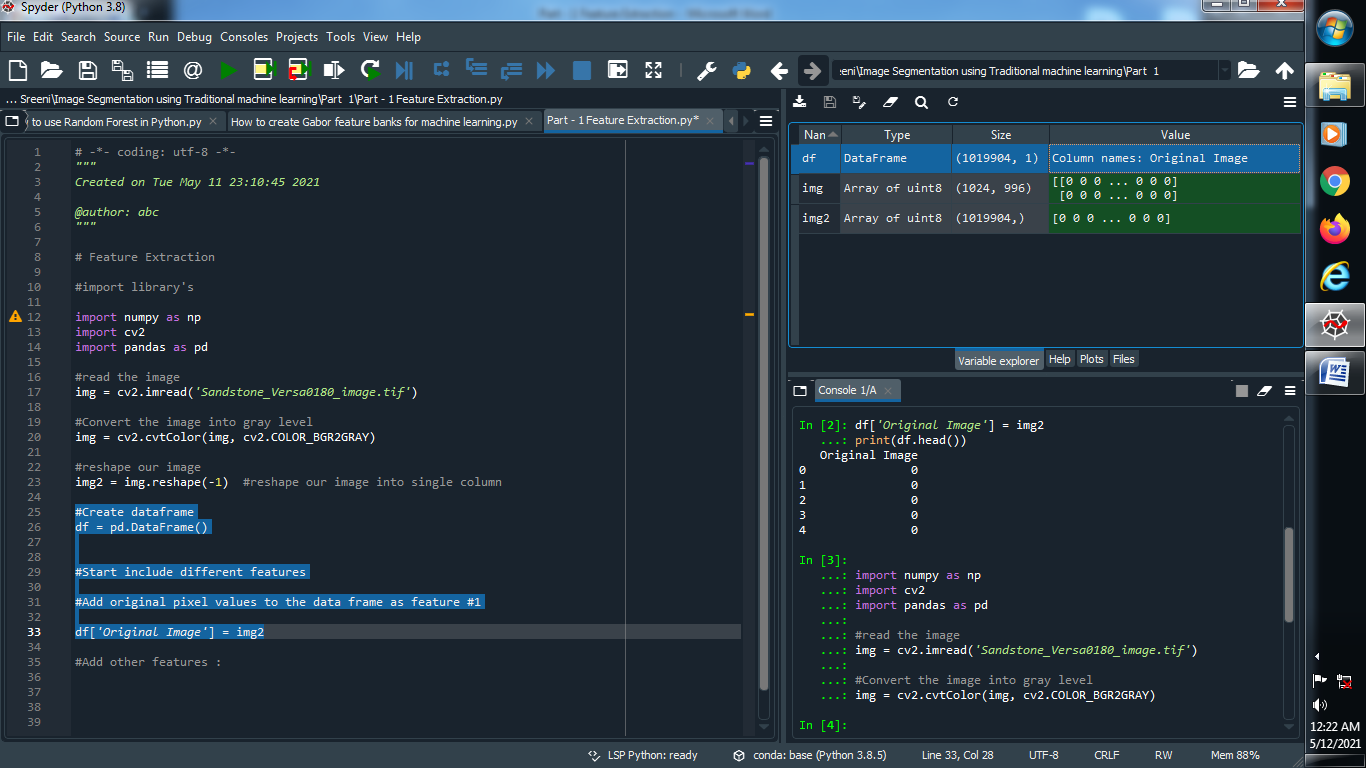
**Output :**

****

**(3) Create one dataframe and named it’s column name :**

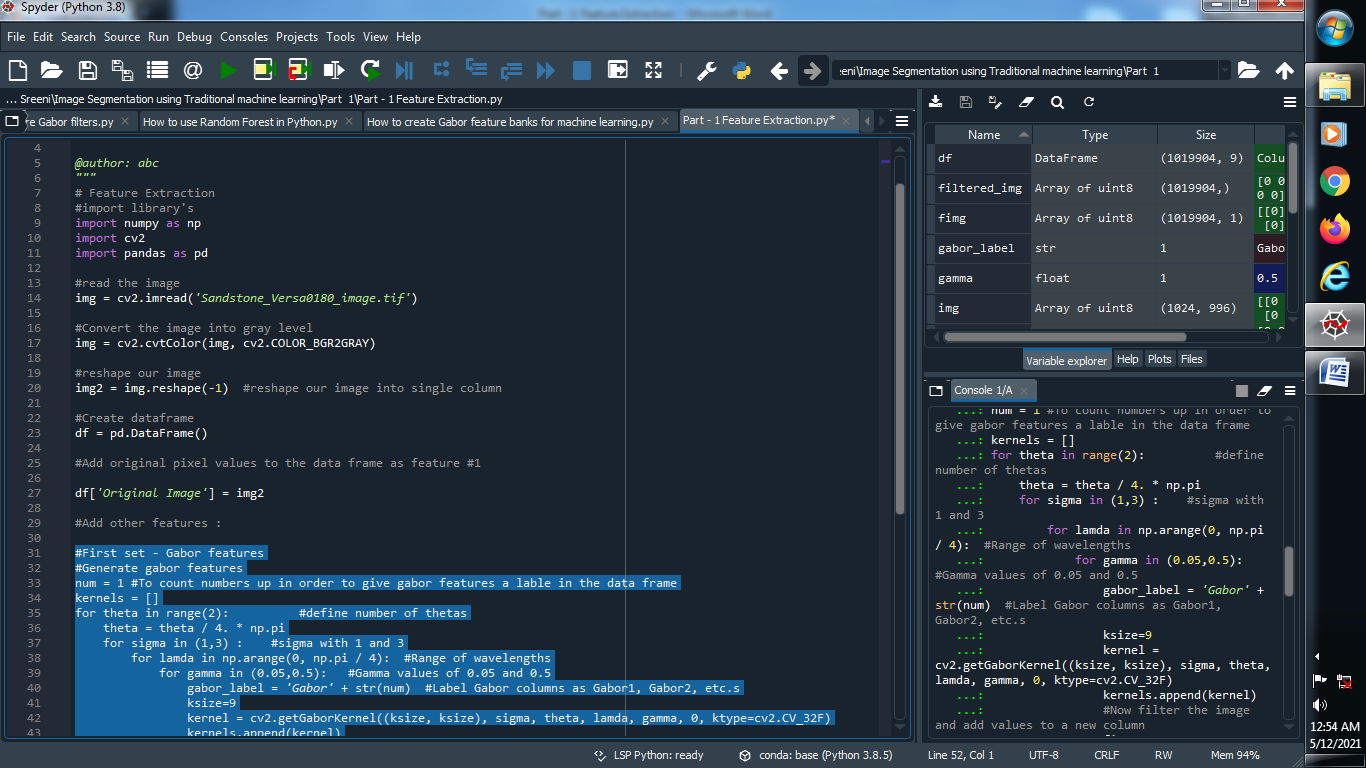
****

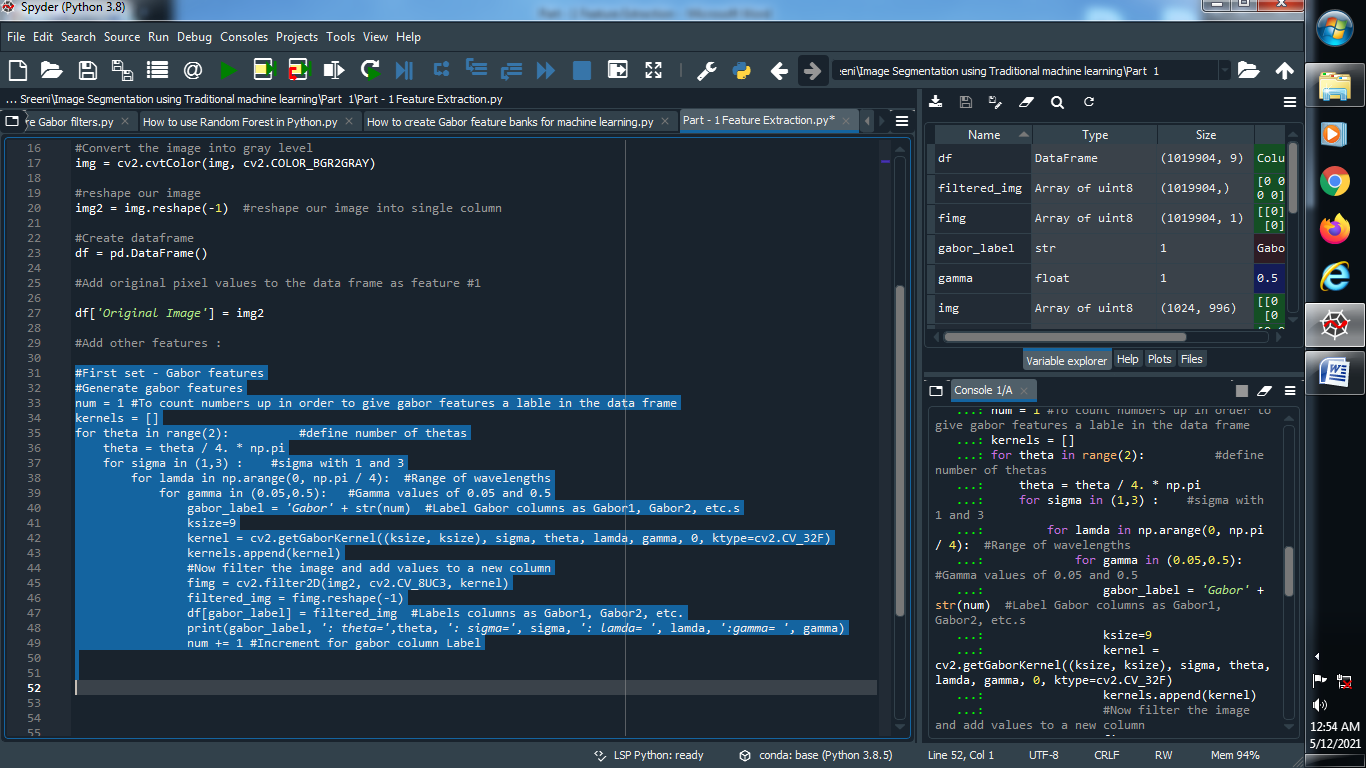
**Output :**

****

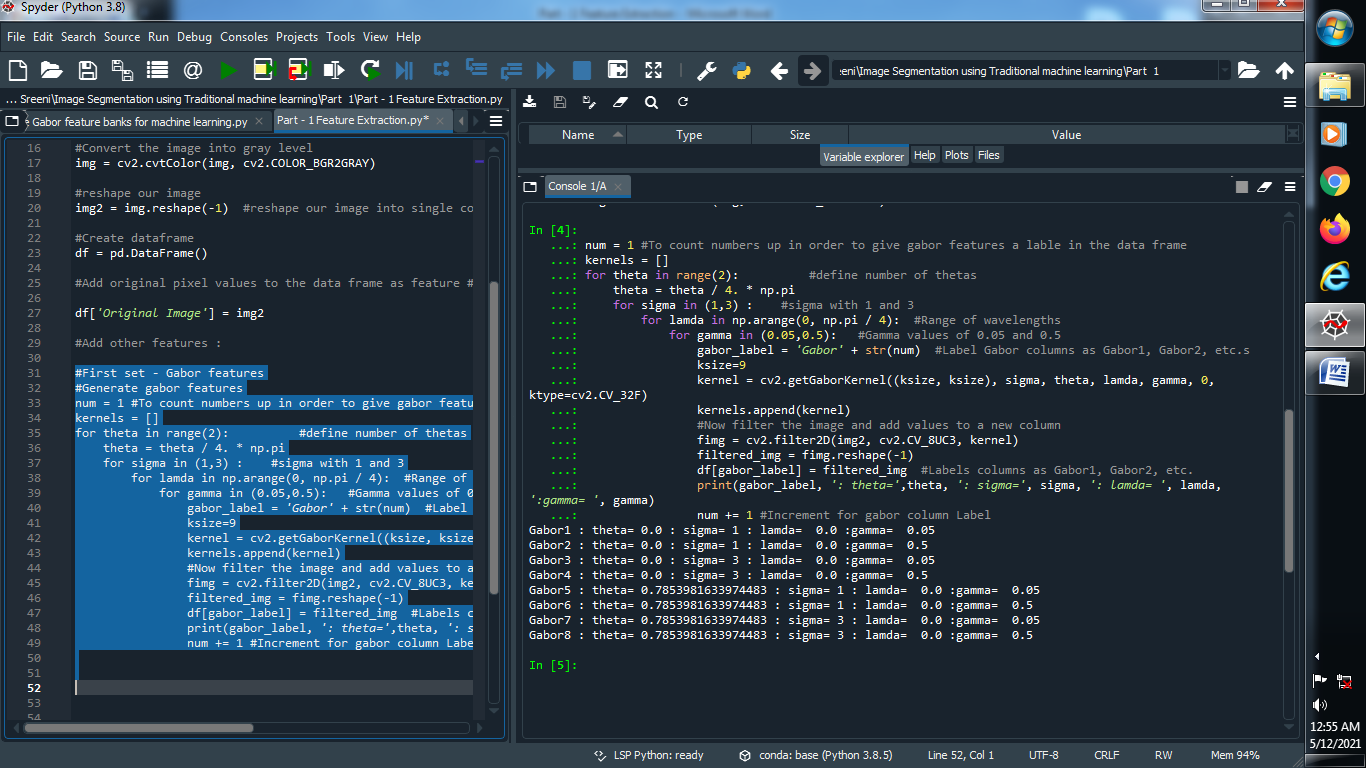
**(4) Add another features :**

**(I) Gabor features :**

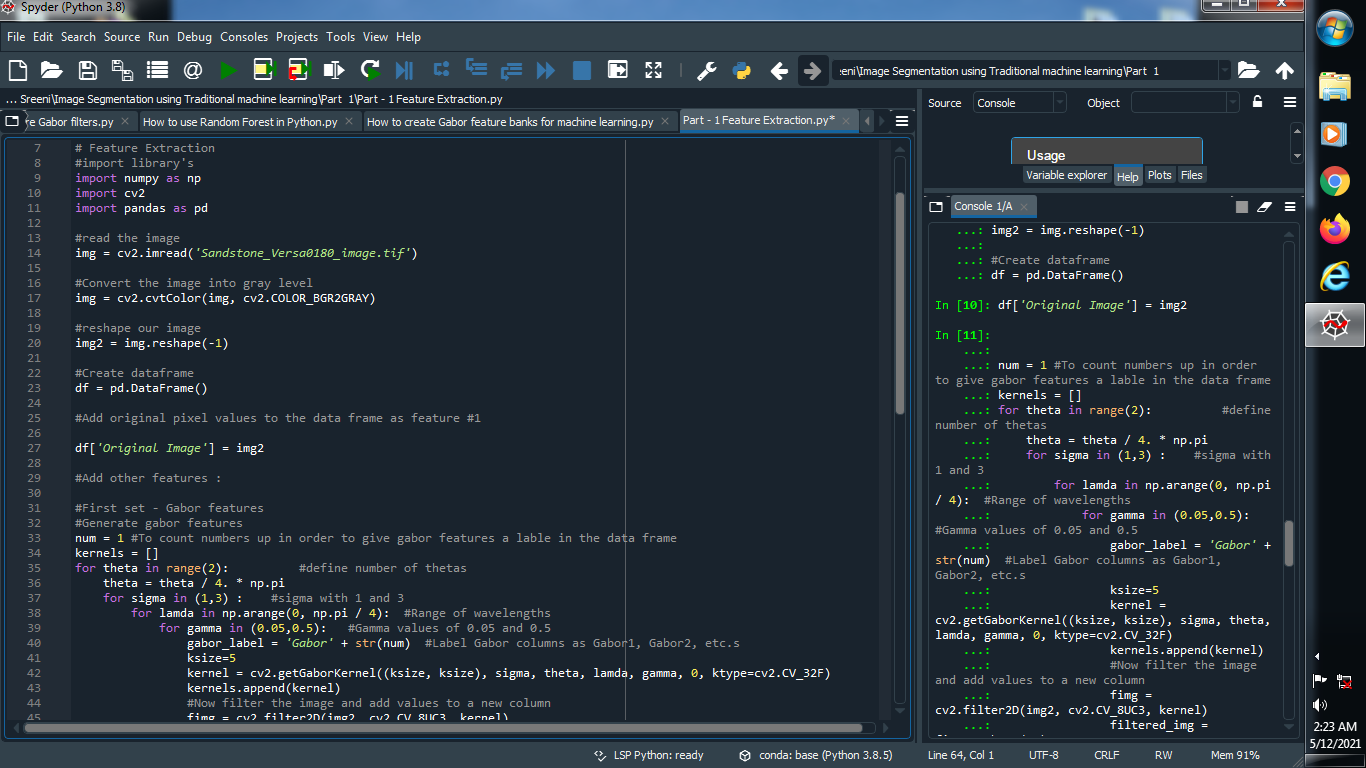
****

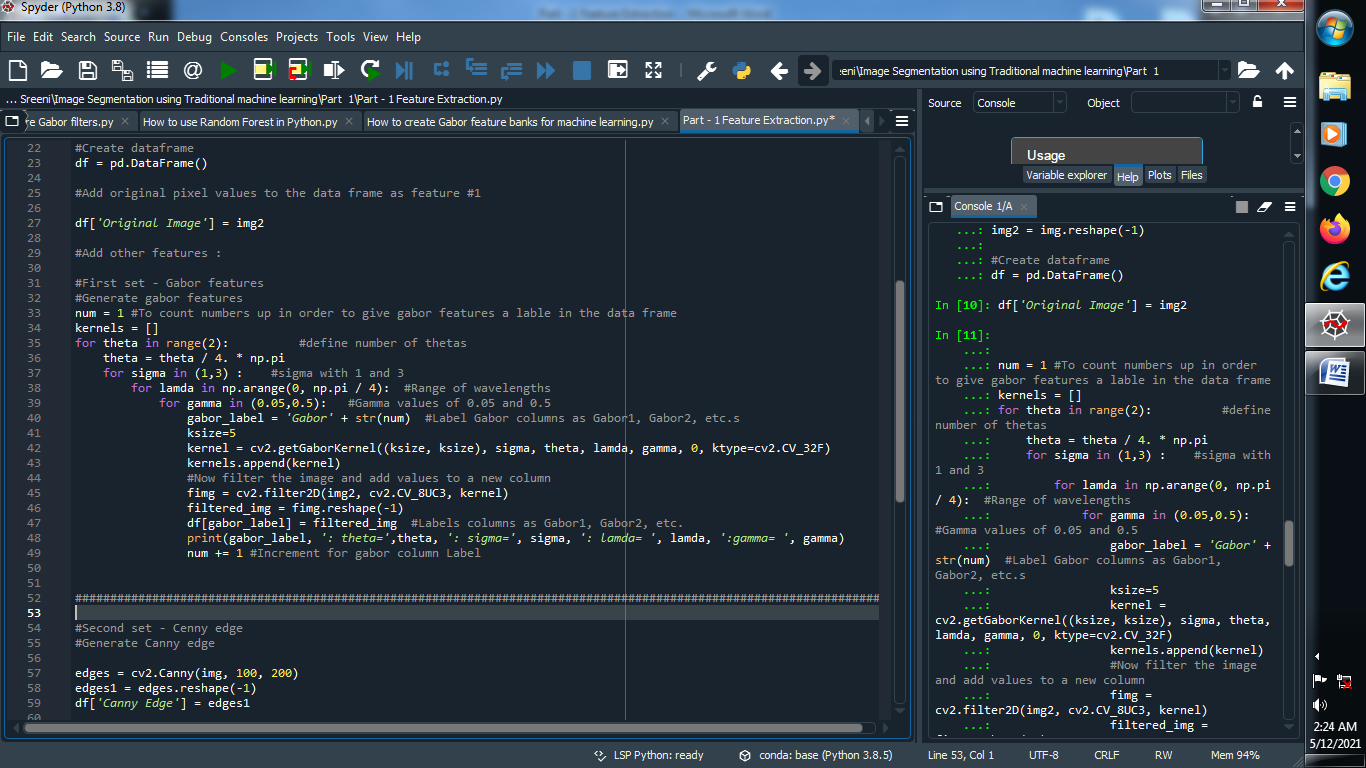
****

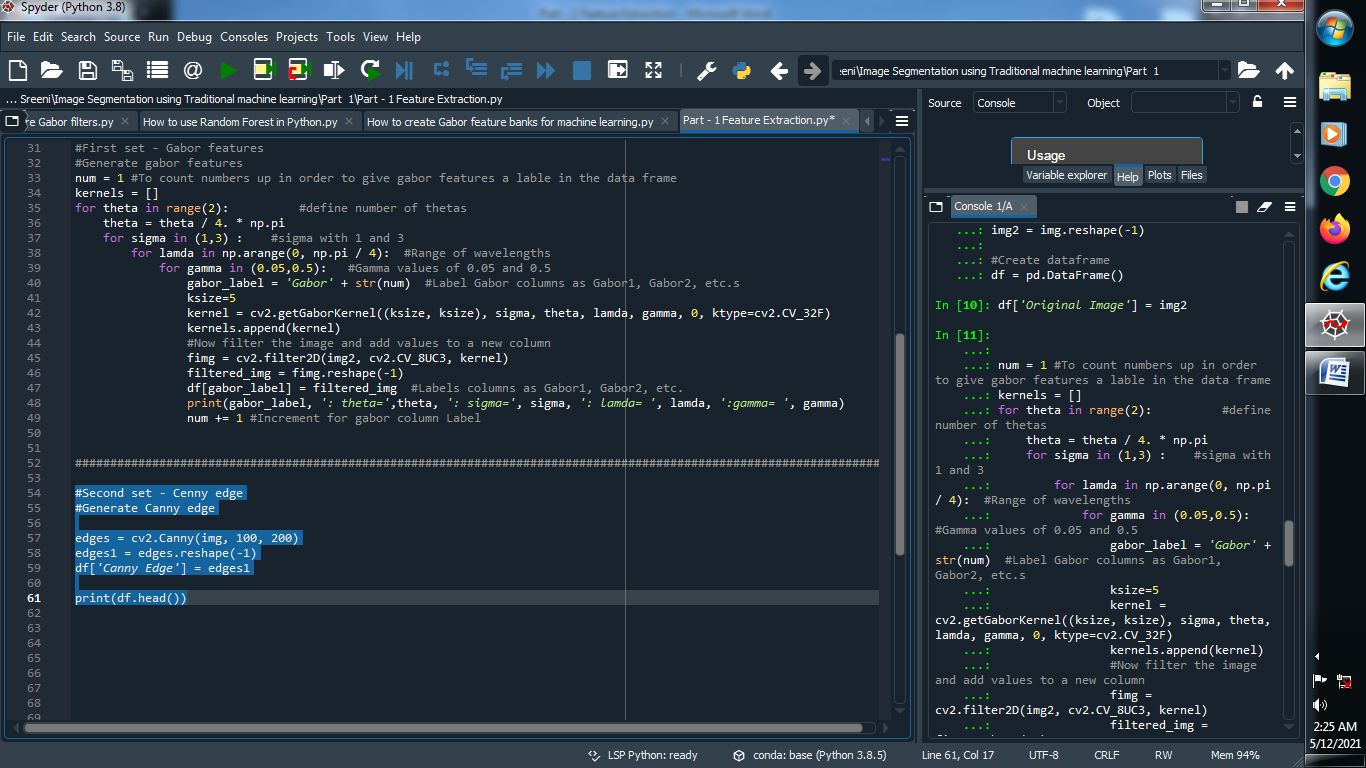
**Output :**

****

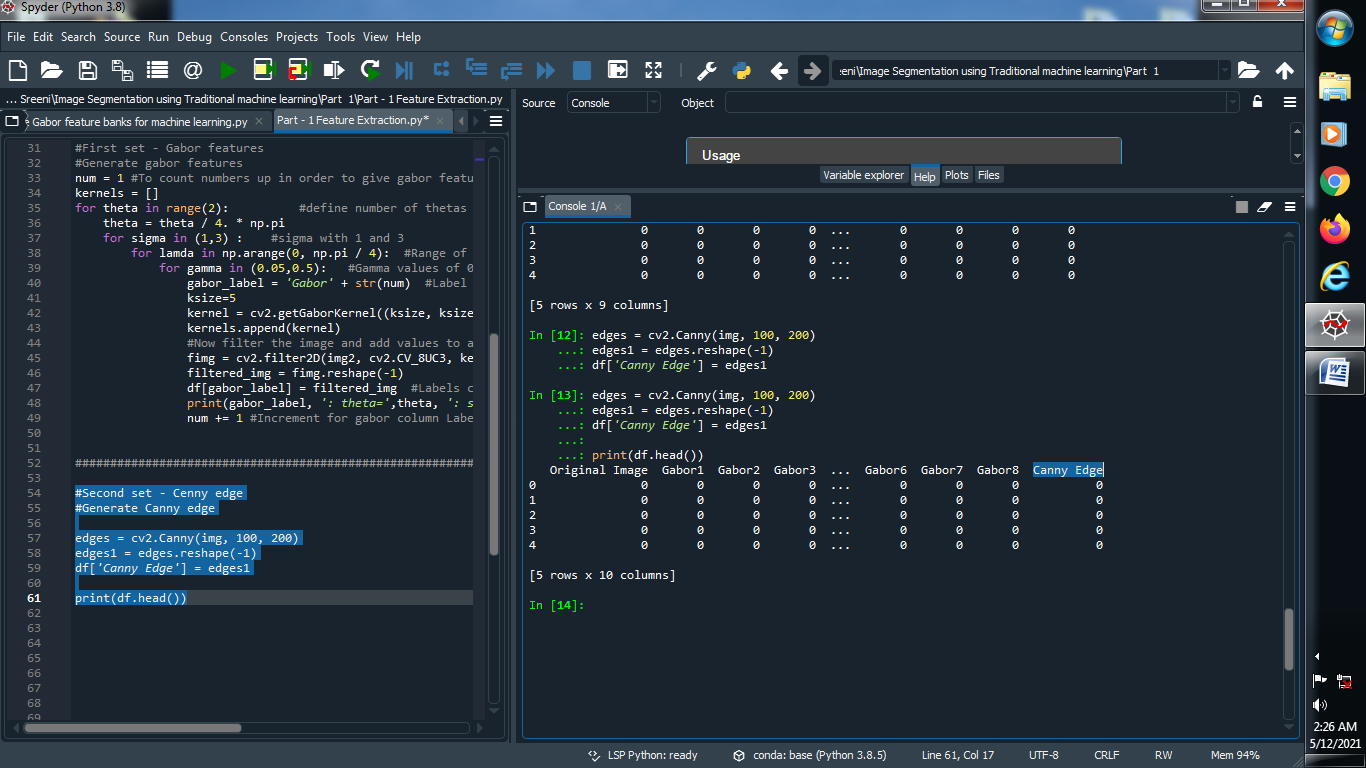
**(II) Apply Canny Edge filter :**

****

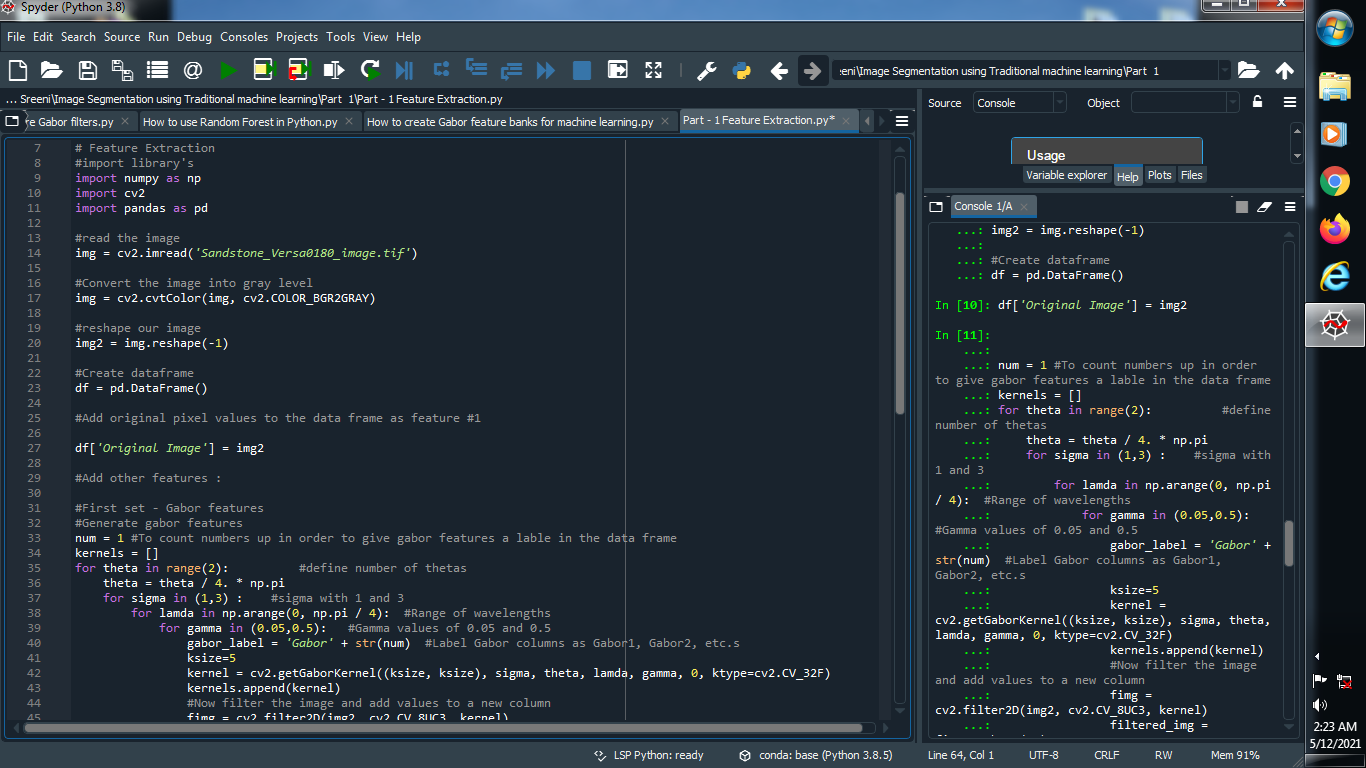
****

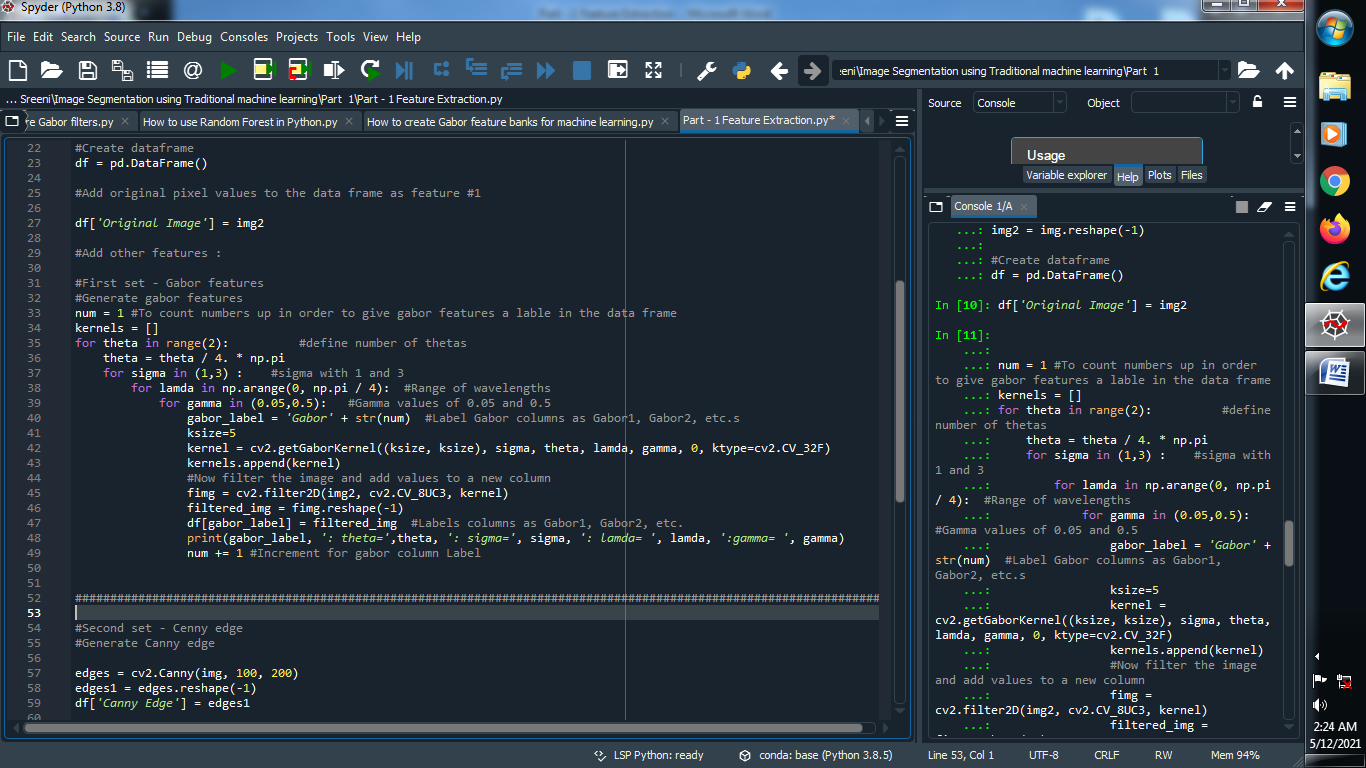
****

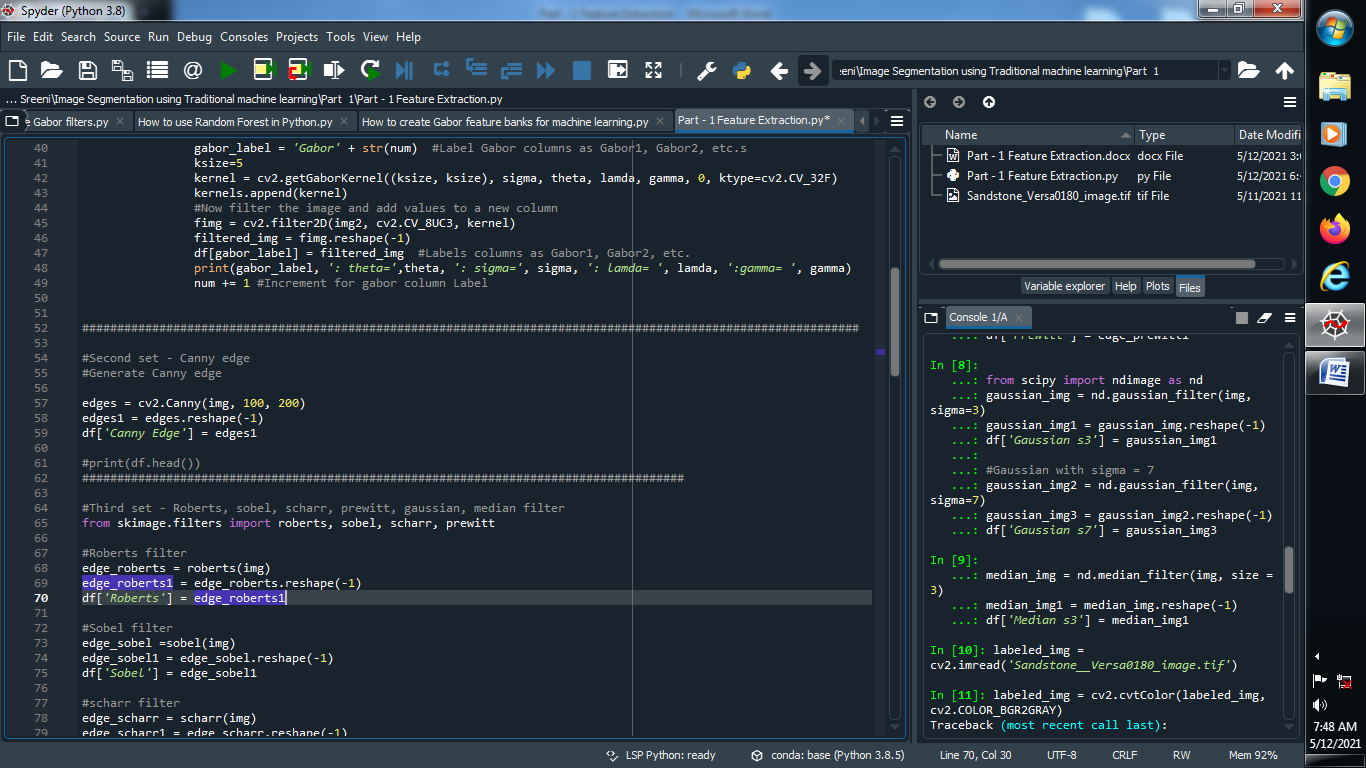
**Output :**

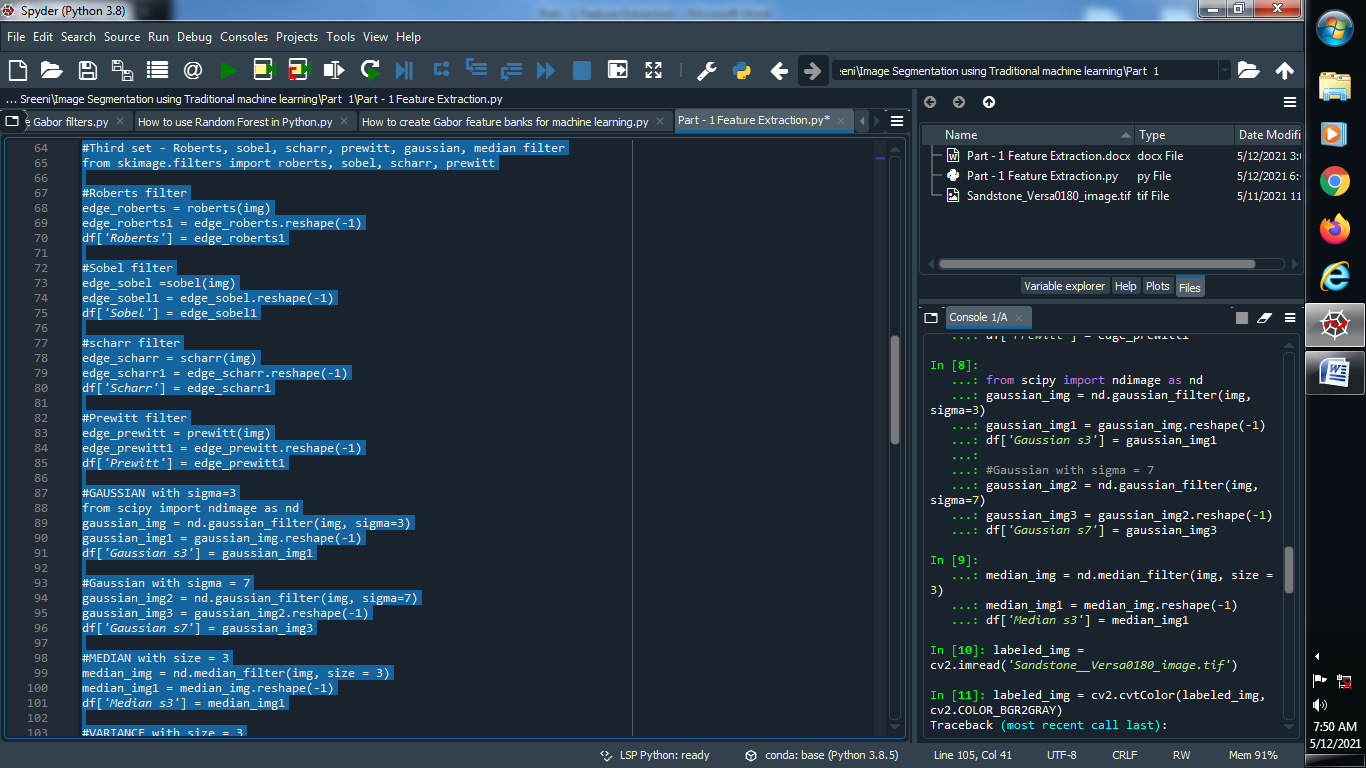
****

**(III) Apply Roberts, sobel, scharr, prewitt, gaussian, median filter :**

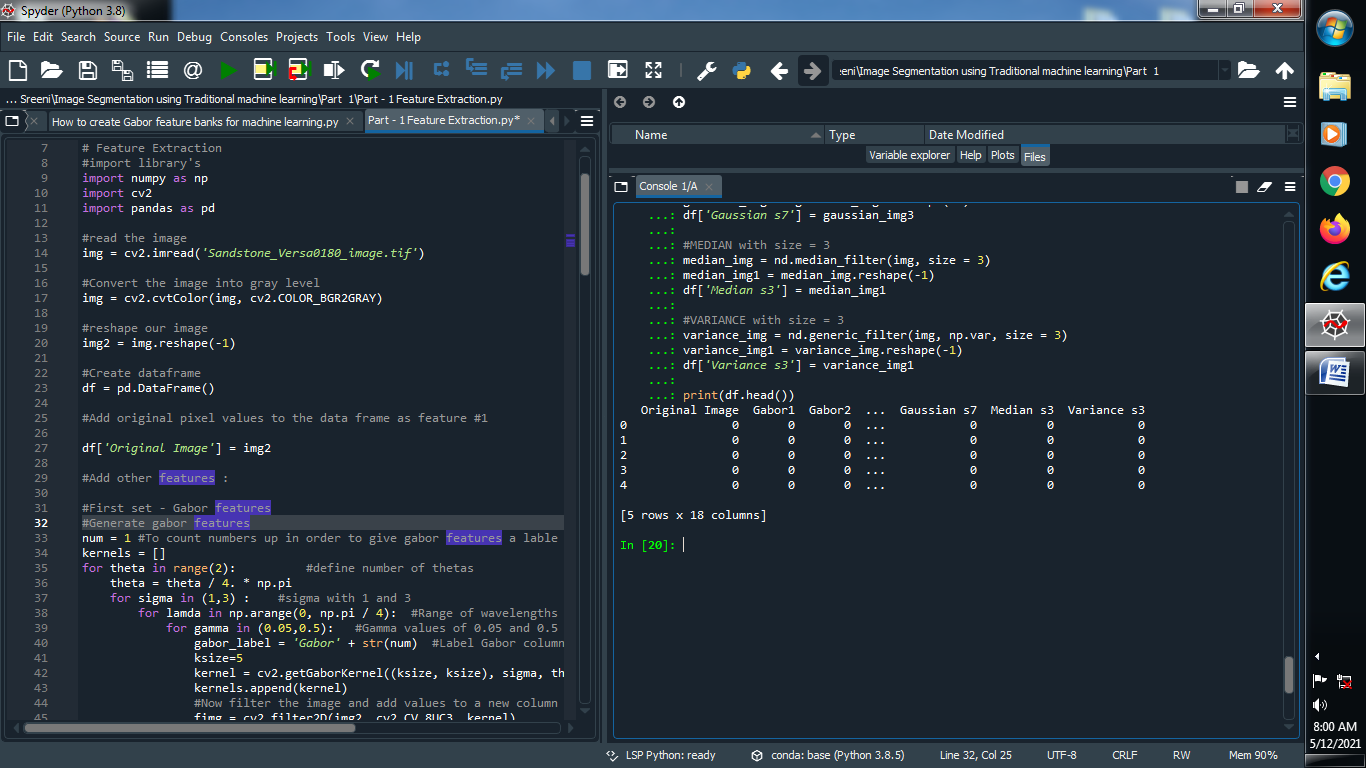
****

****

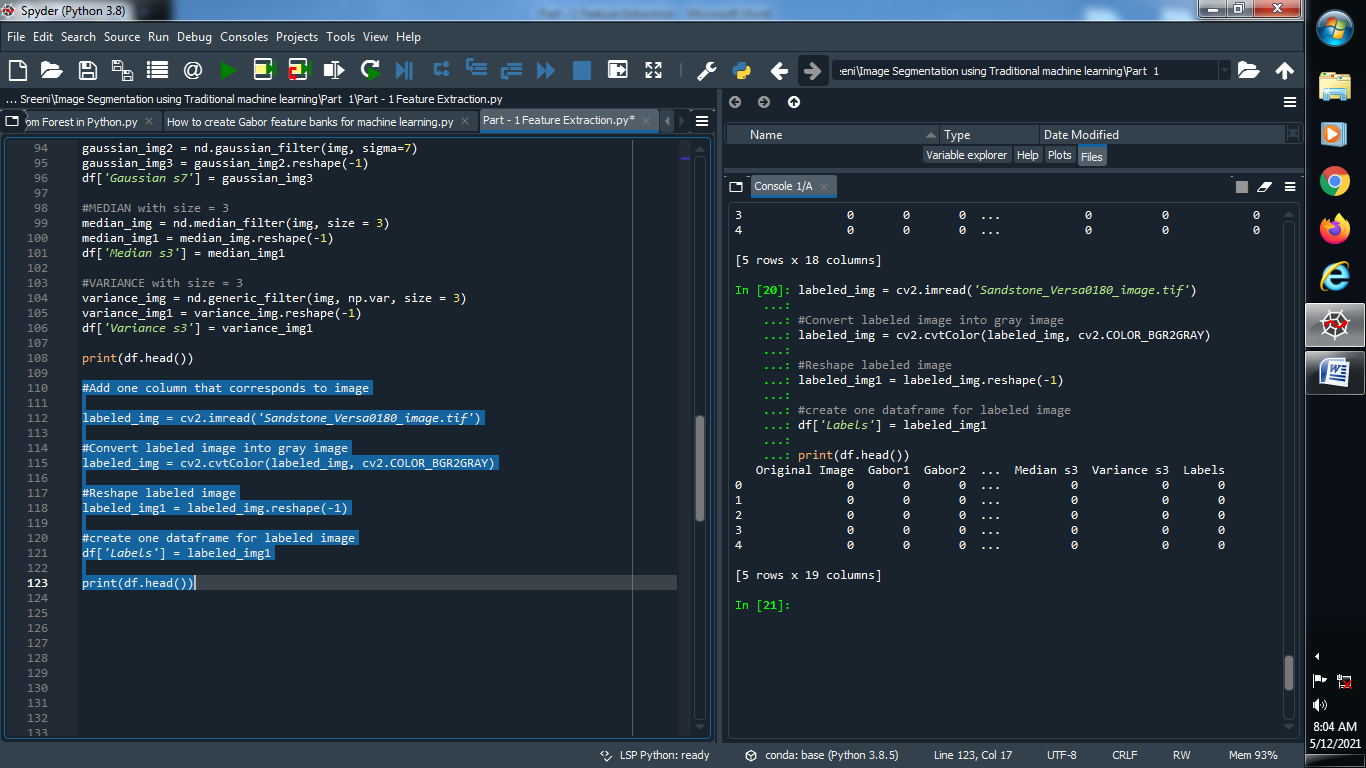
****

****

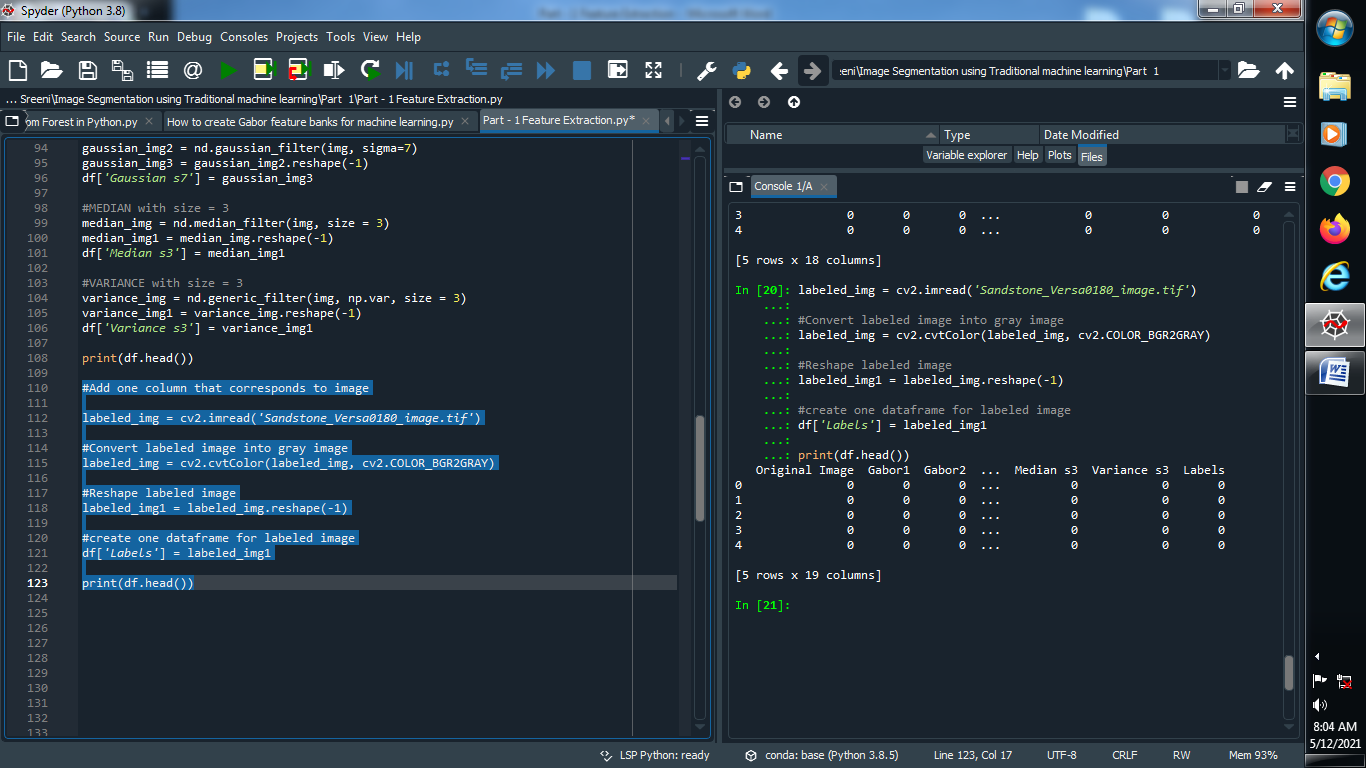
**→ Output :**

****

**→ Add one column that corresponds to image :**

****

**Output :**

****