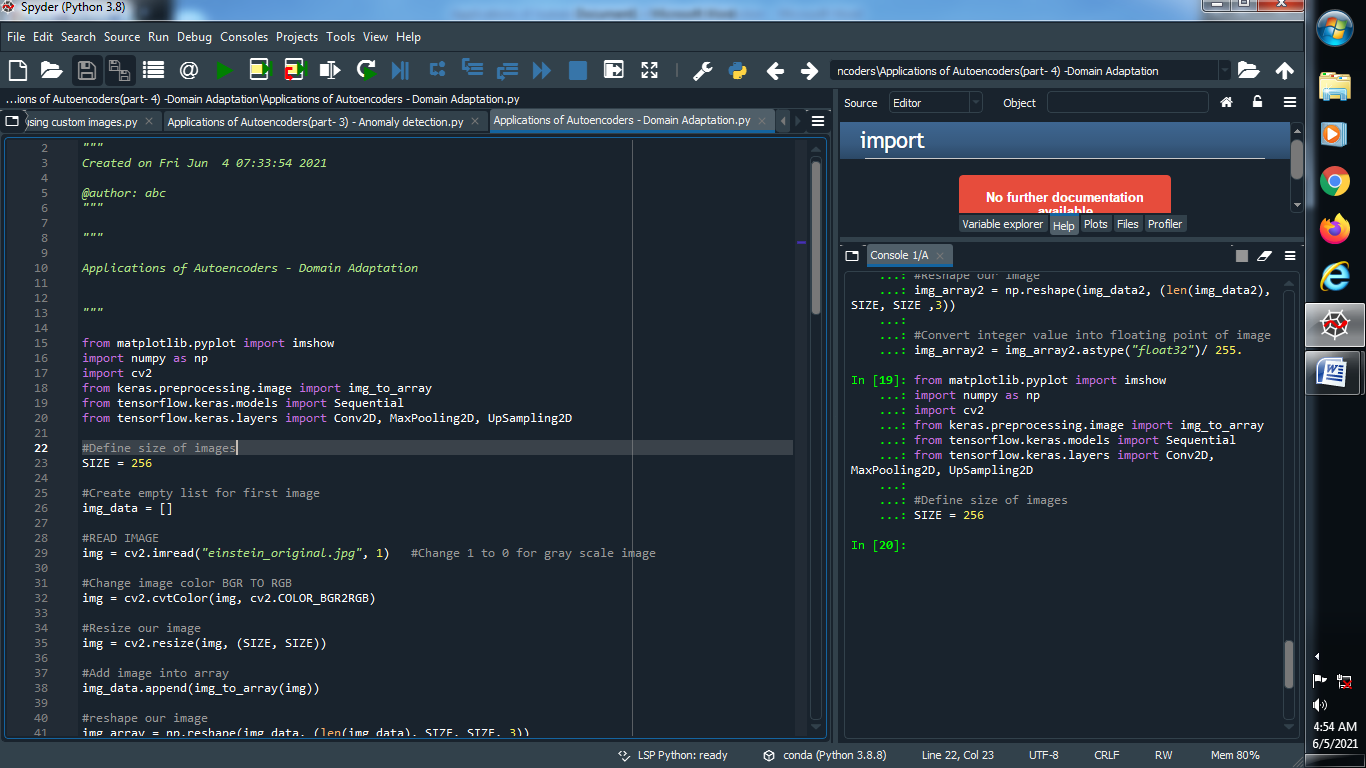
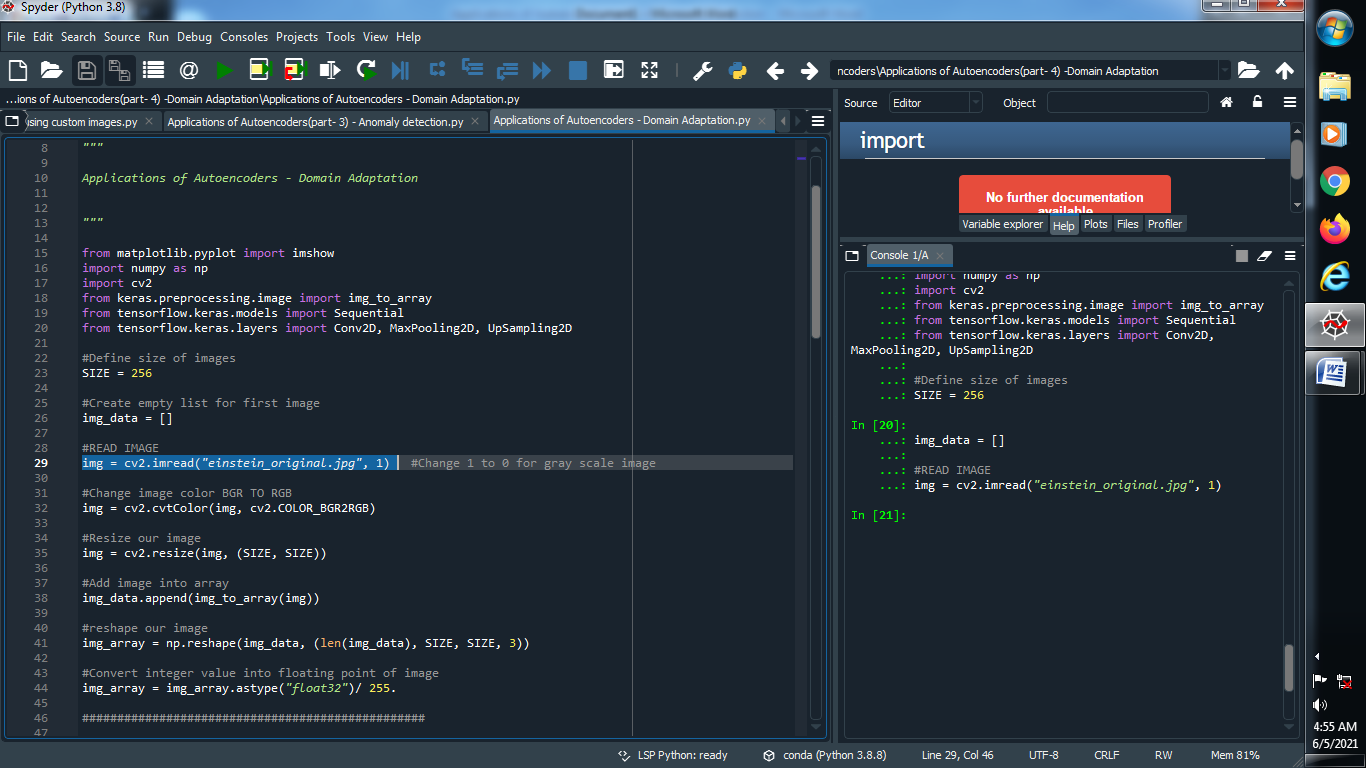
**→Applications of Auto Encoders - Domain Adaptation :**

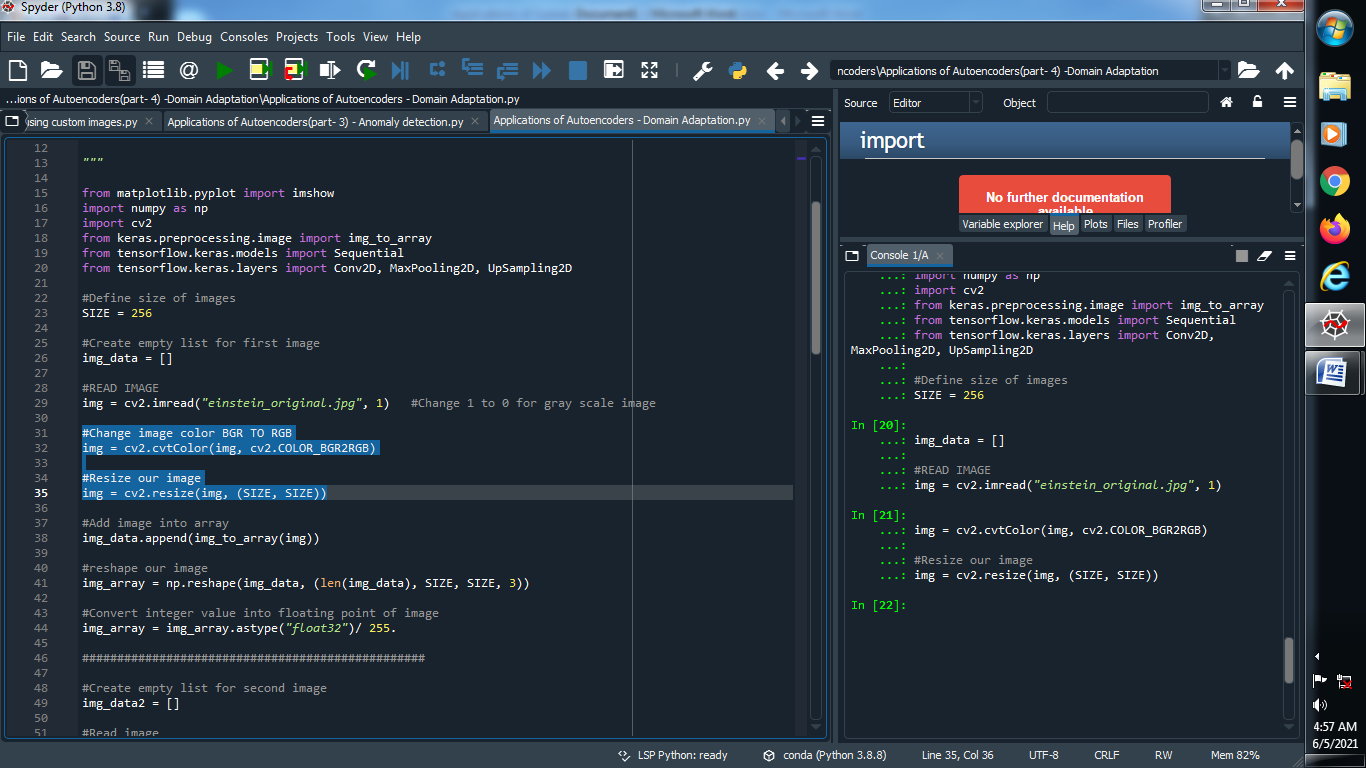
**(1) Import library’s and define size of images :**

****

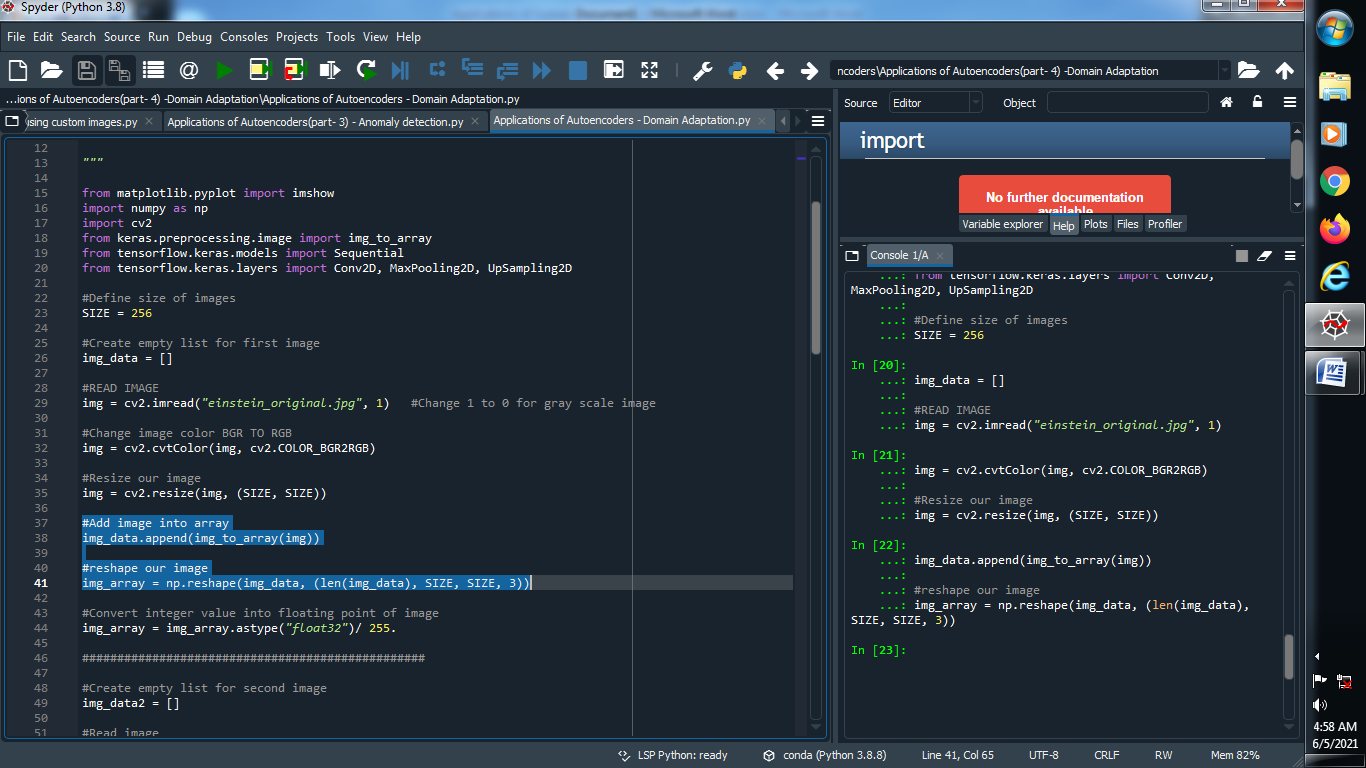
**(2) Create empty list for first image and read our image :**

****

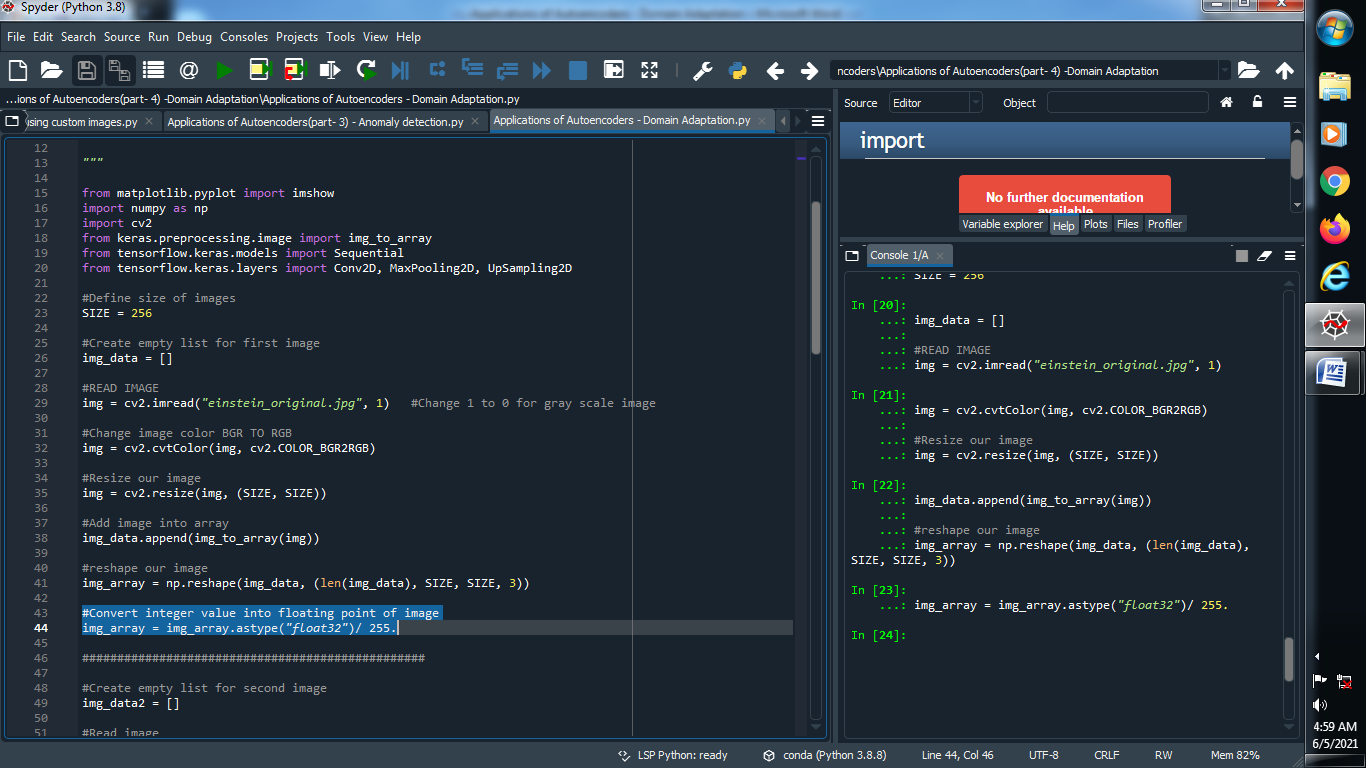
**(3) Change image color RGB TO BGR and resize this image :**

****

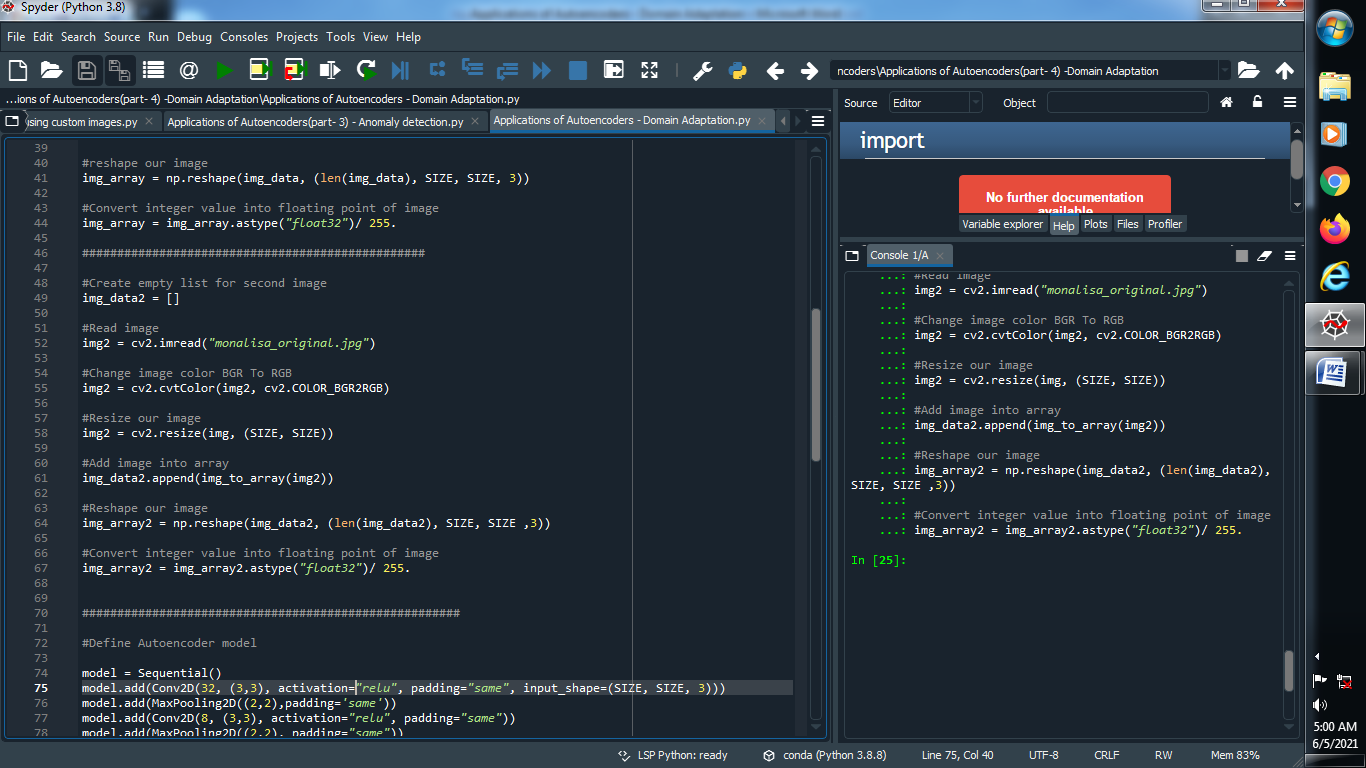
**(4) Convert image into array and reshape it :**

****

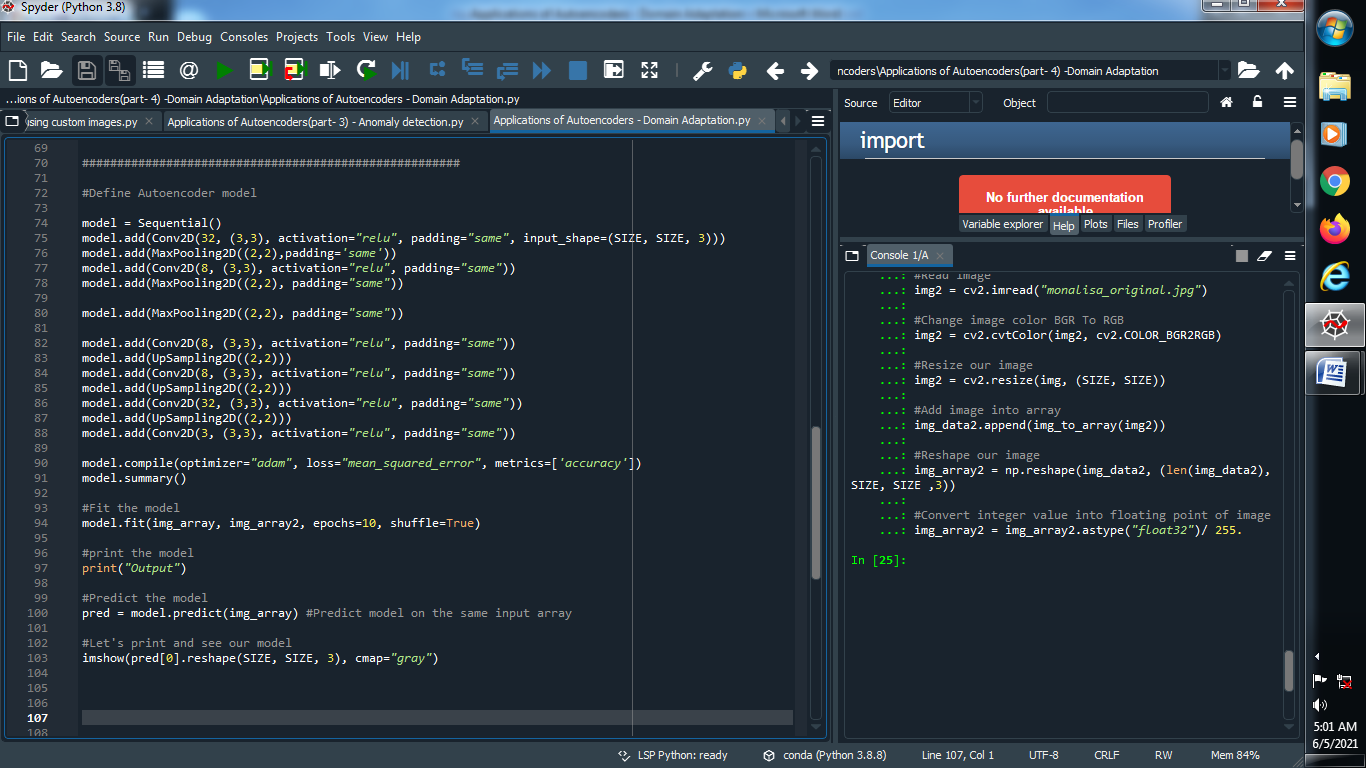
**(5) Convert integer value into floating point value of our image :**

****

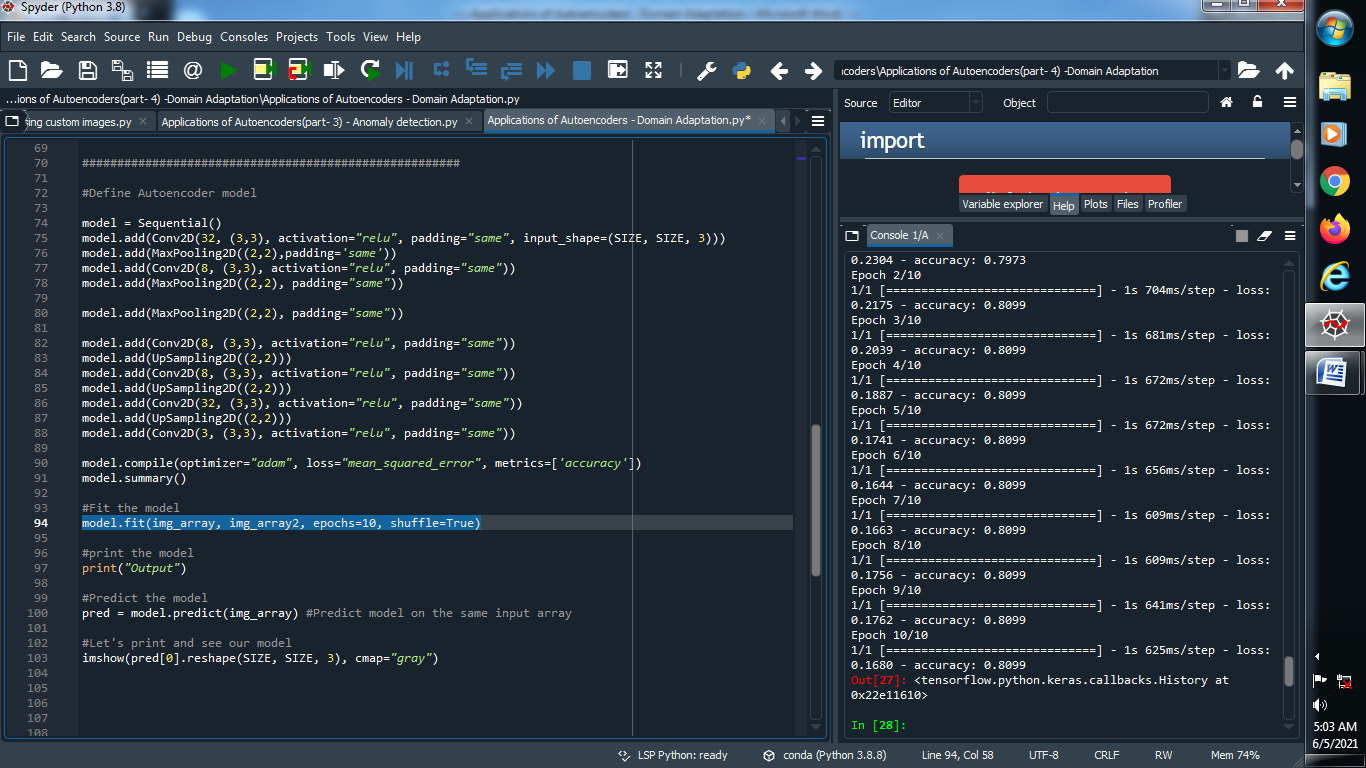
**(6) Fill the all same above things for our second image :**

****

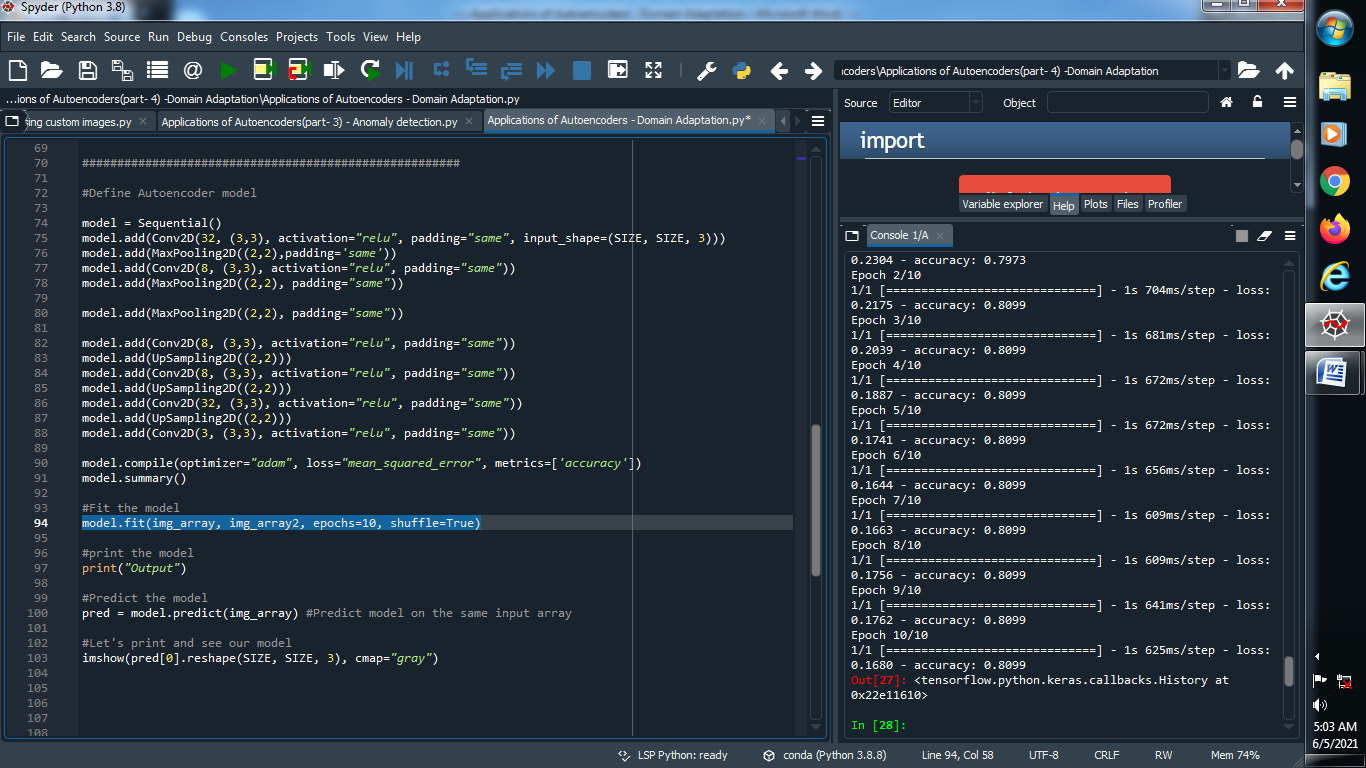
**(7) Define our auto encoder model :**

****

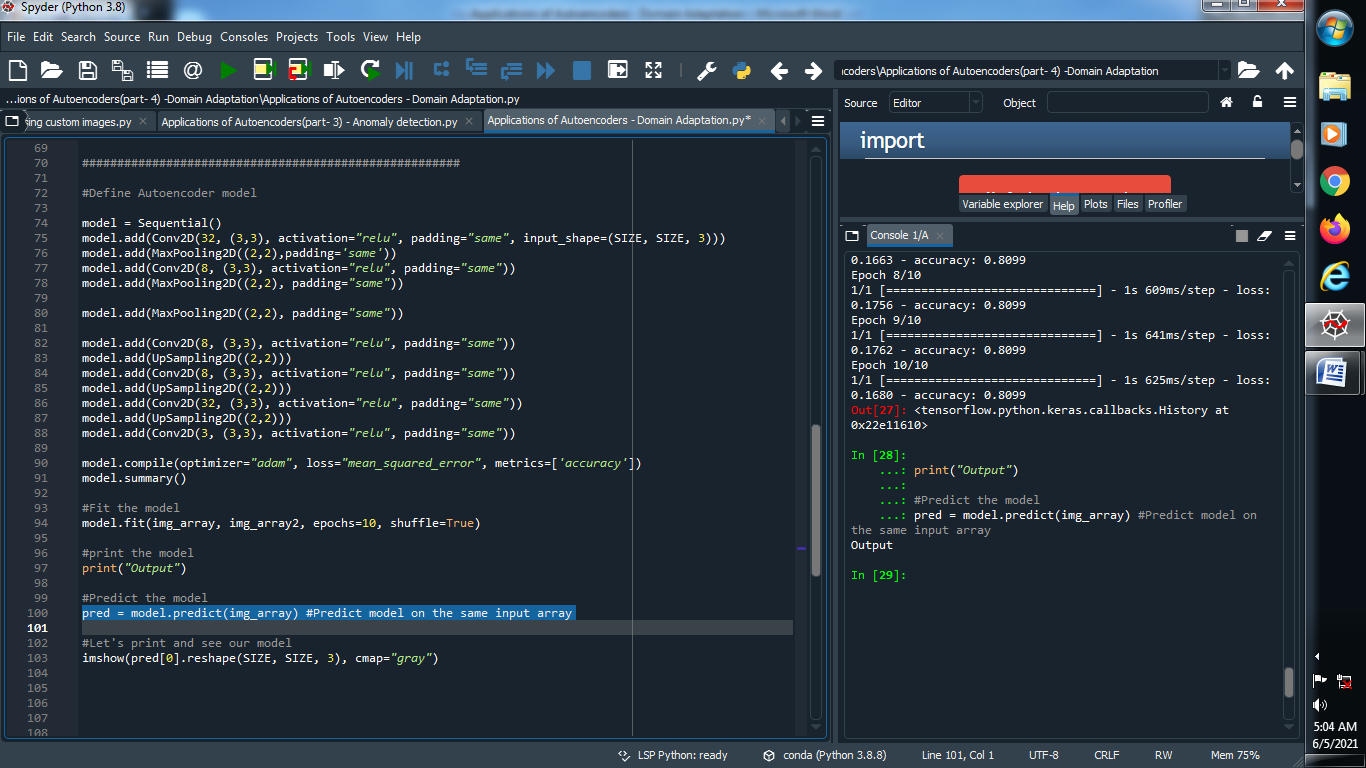
**(8) Fit the model :**

****

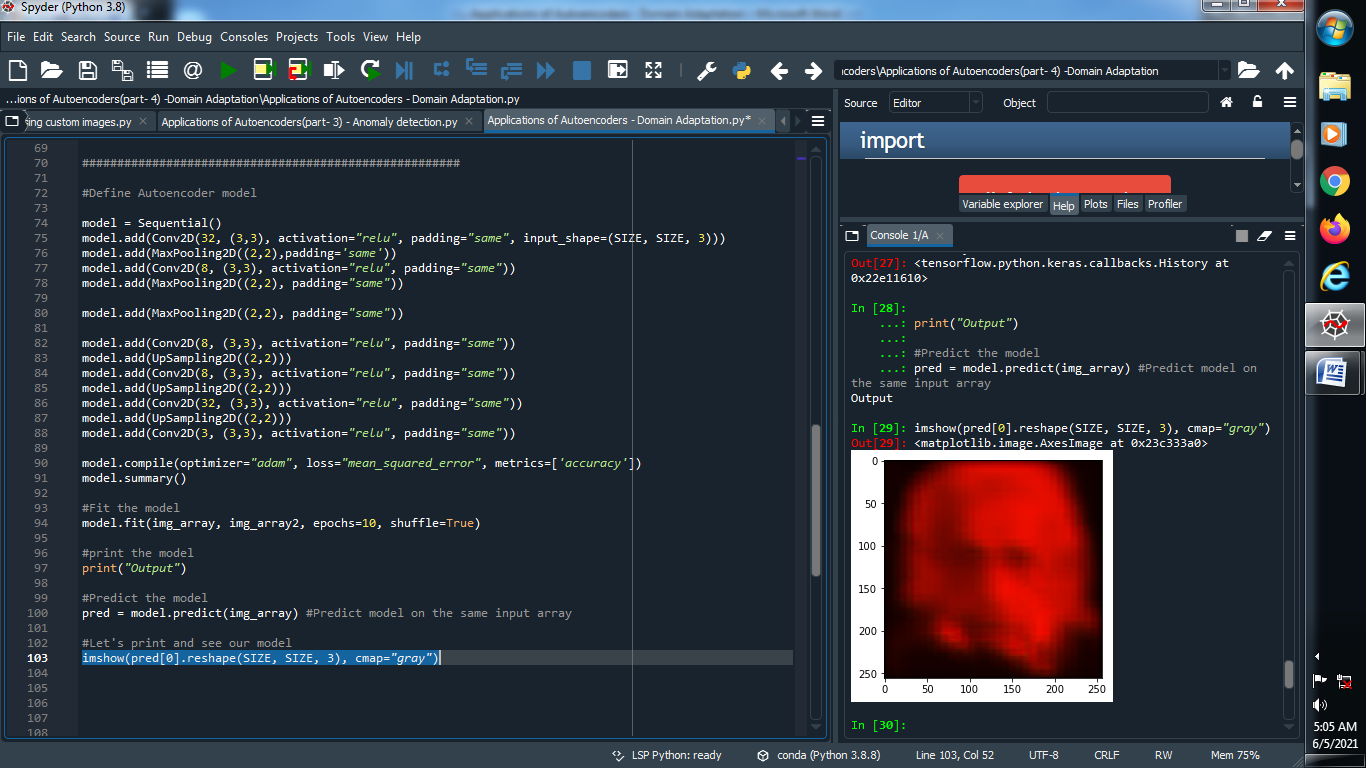
**Output :**

****

**(9) Predict our model :**

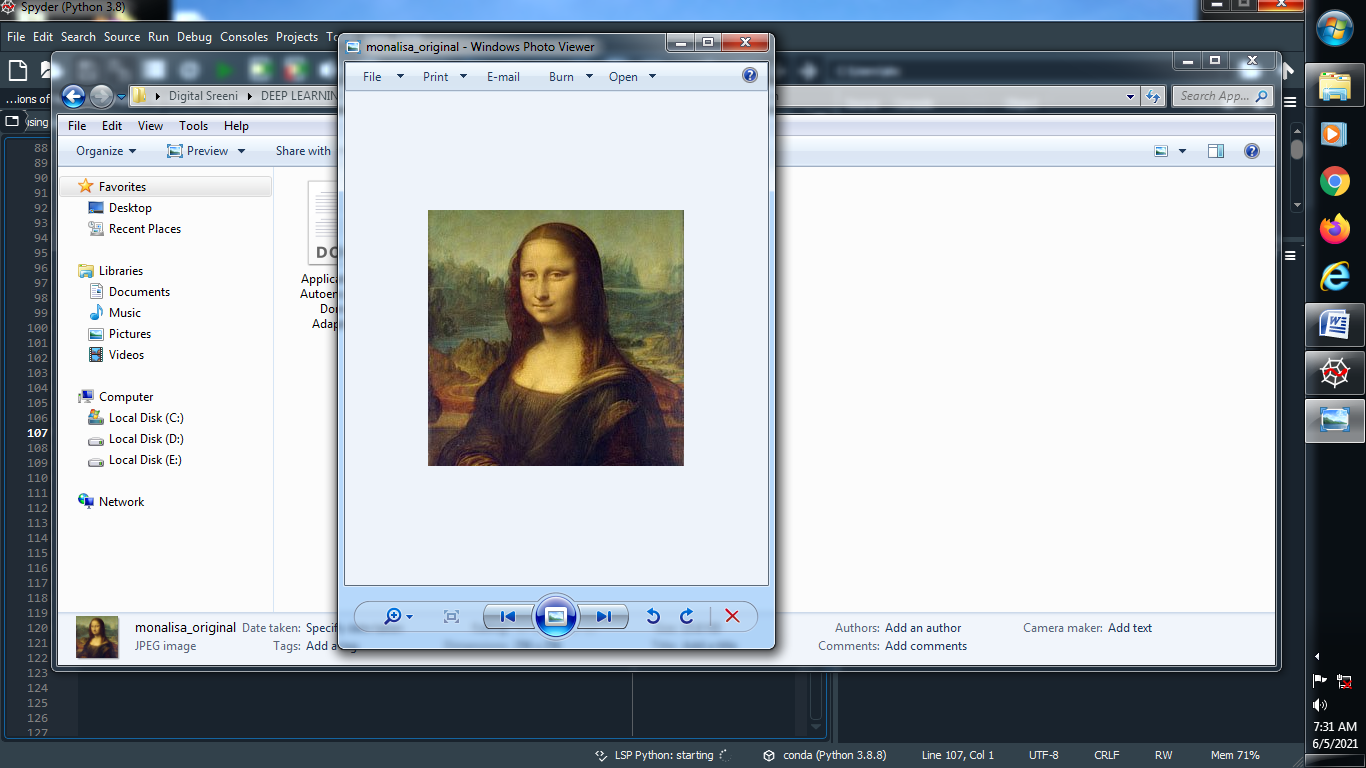
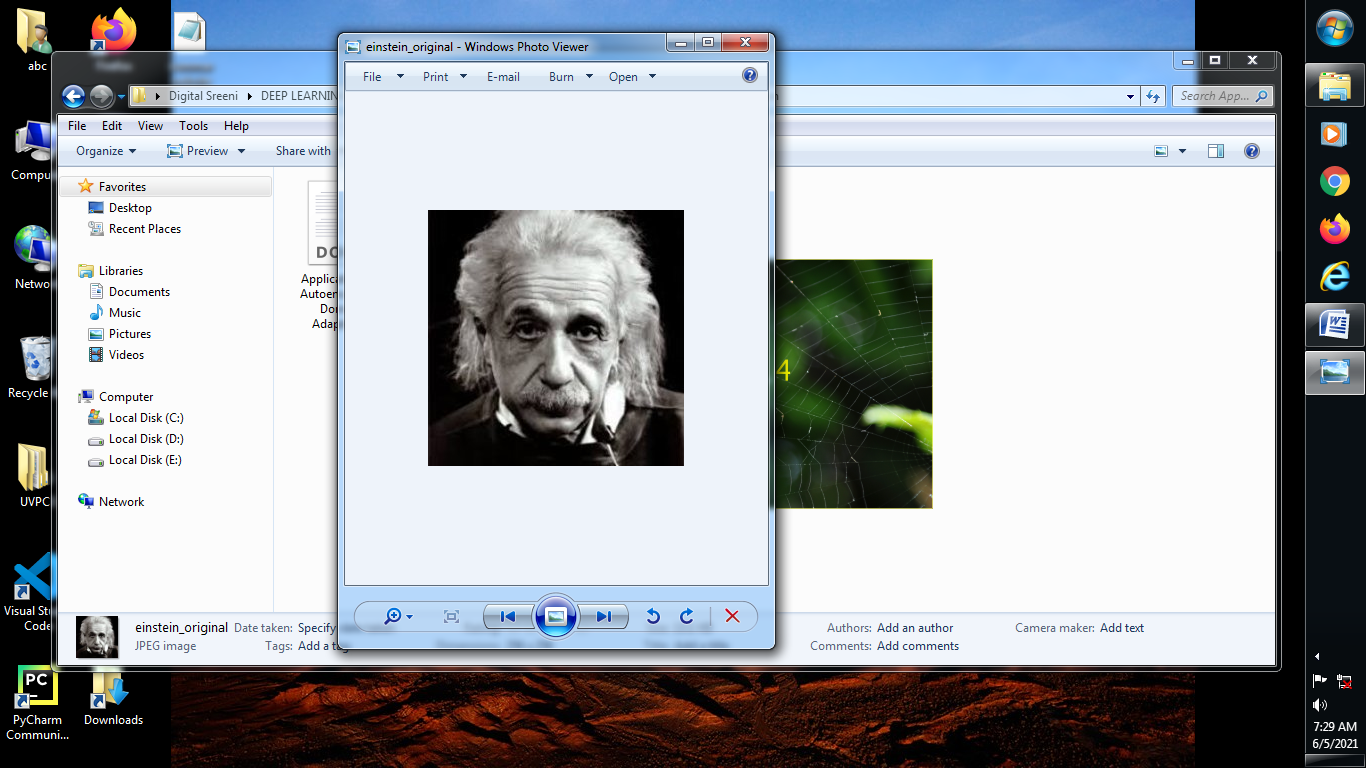
****

**(10) Let’s see our model :**

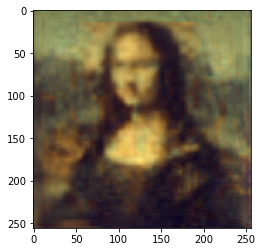
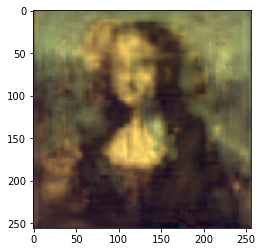
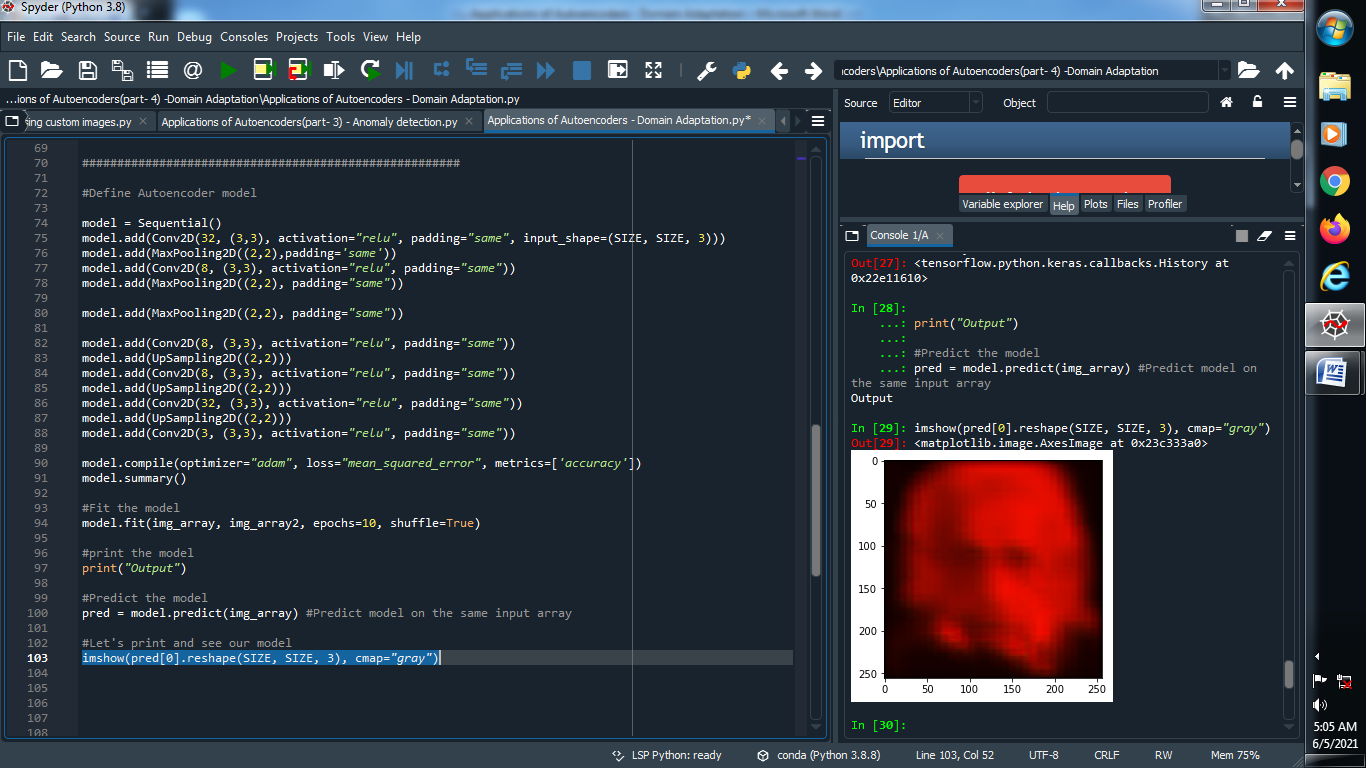
****

**Output :**

**→ Original first image : → Original second image :**

****

**→ Epochs = 10 → Epochs = 1000 → Epochs = 5000**

****