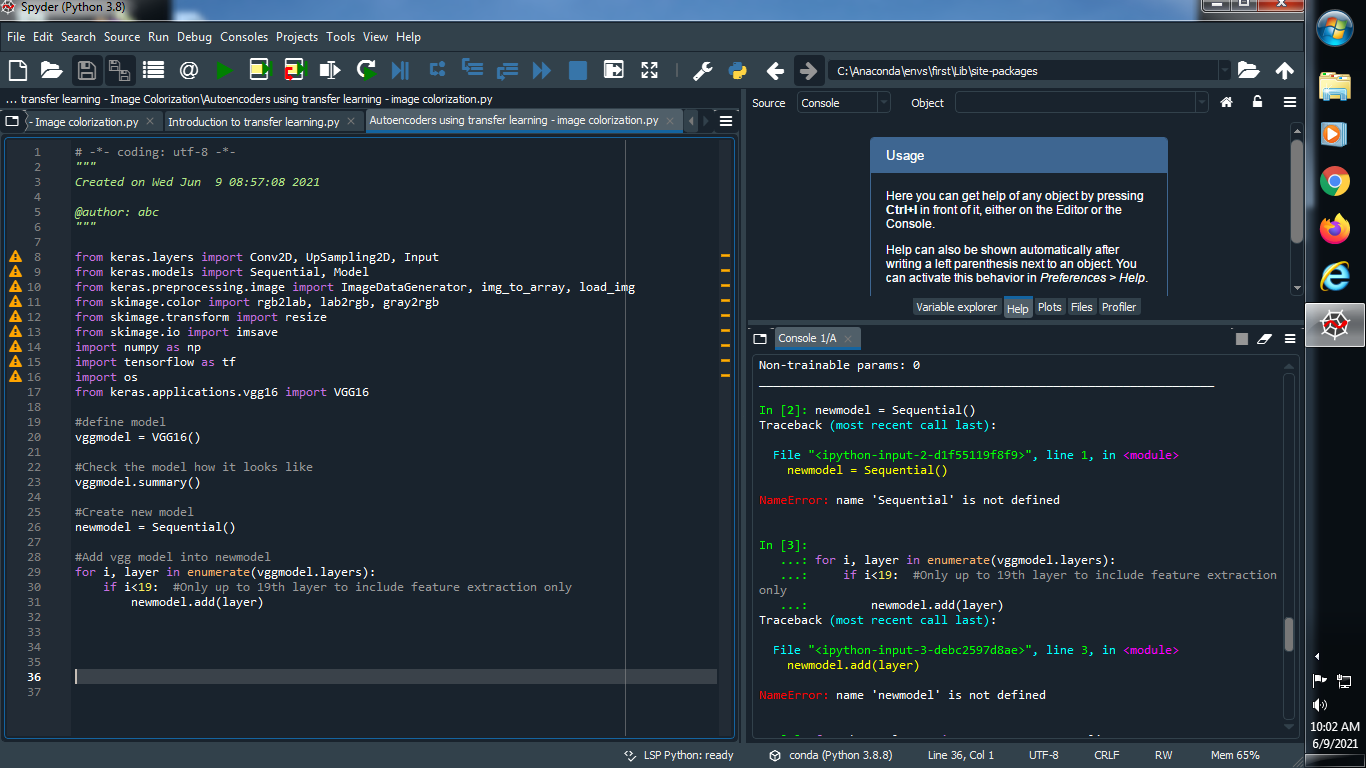
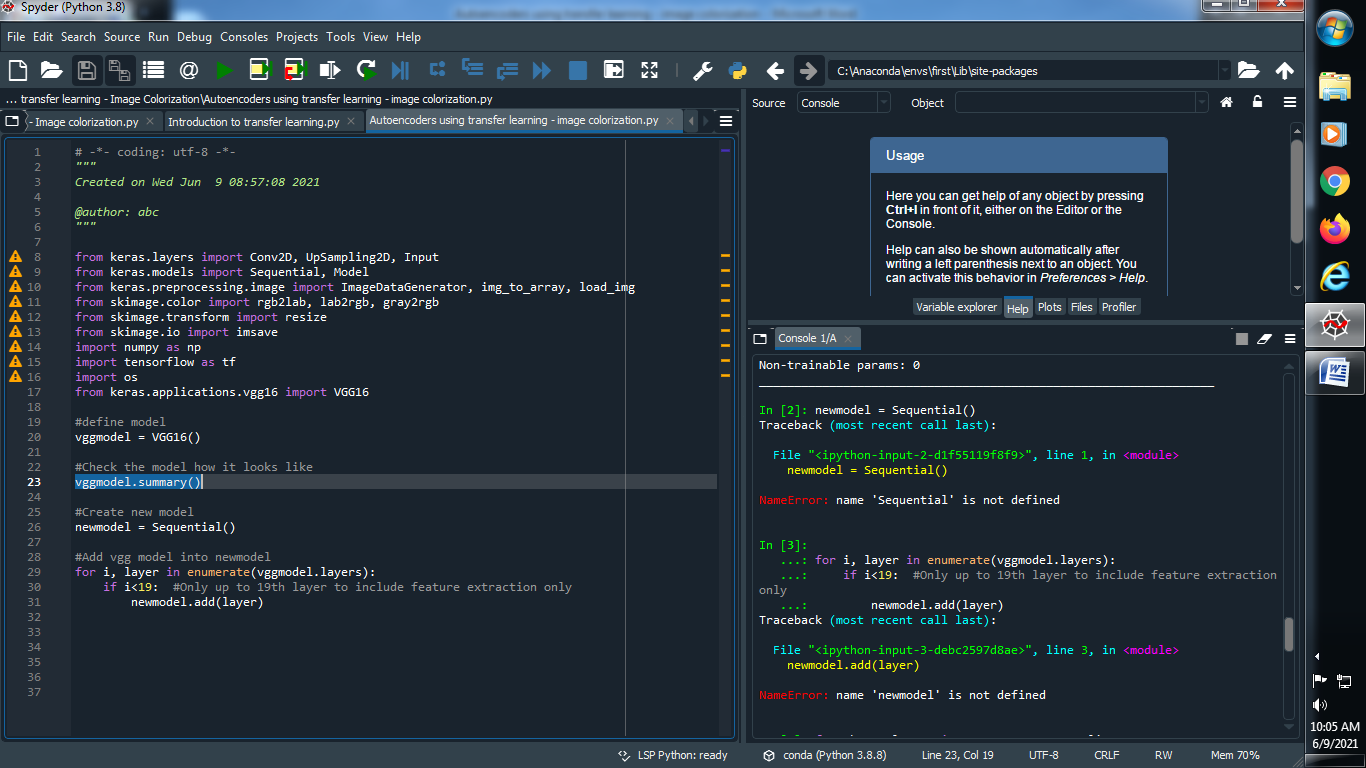
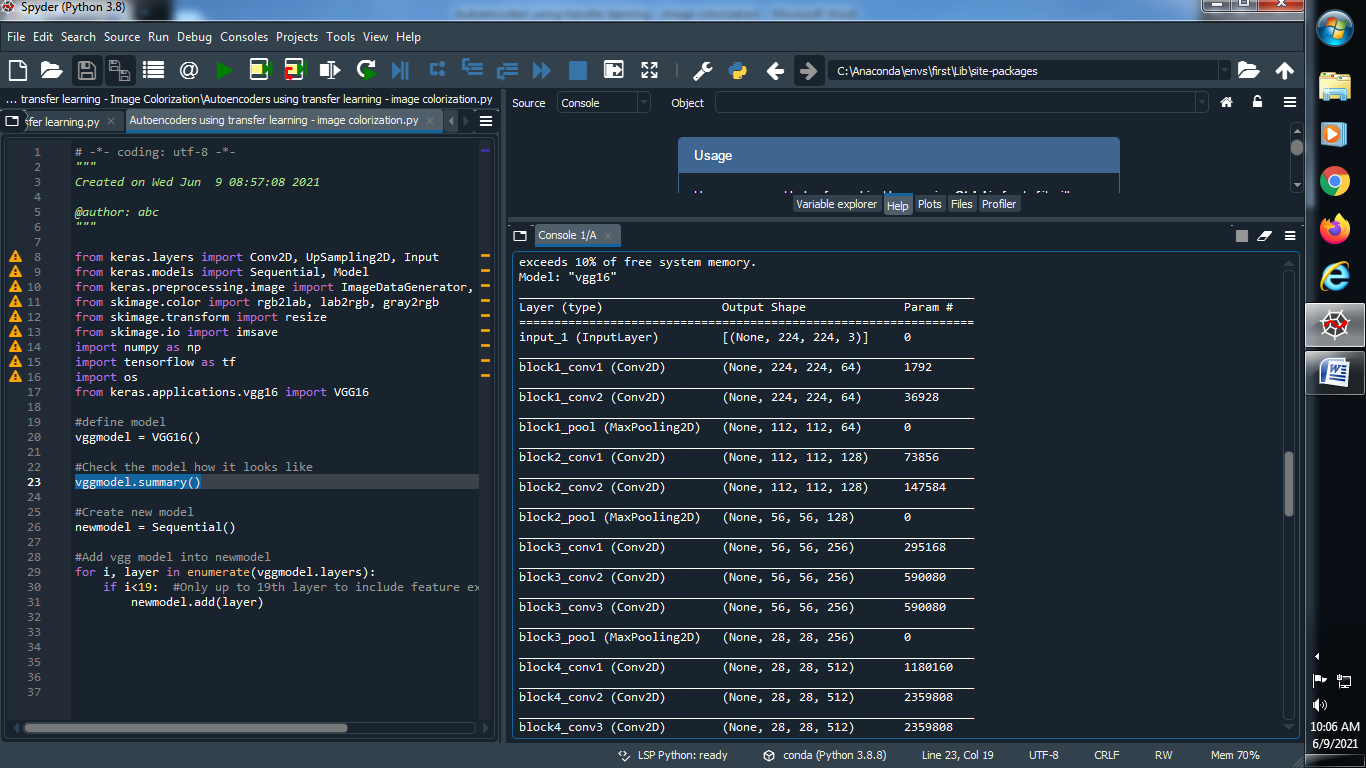
**(1) Import library’s and define VGG16 model :**

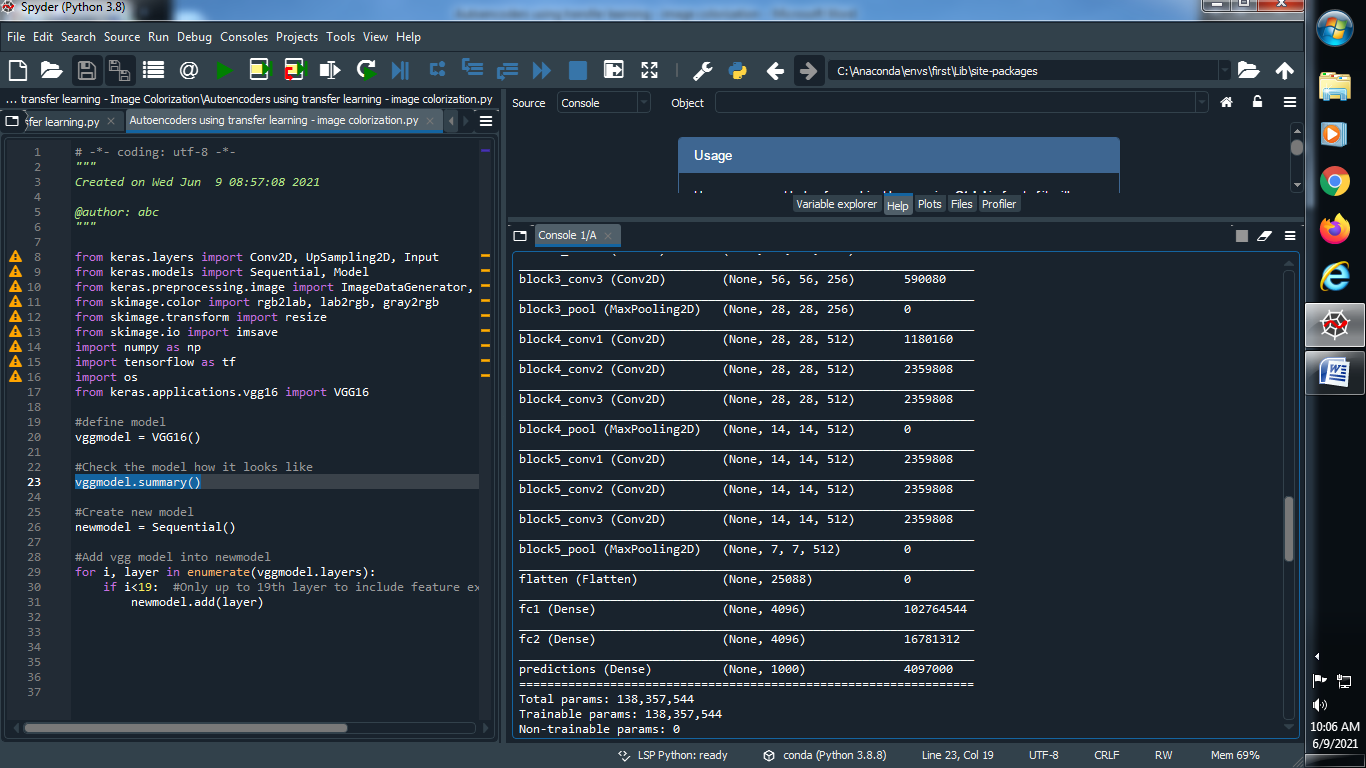
****

**(2) Check the summary of vgg16 model :**

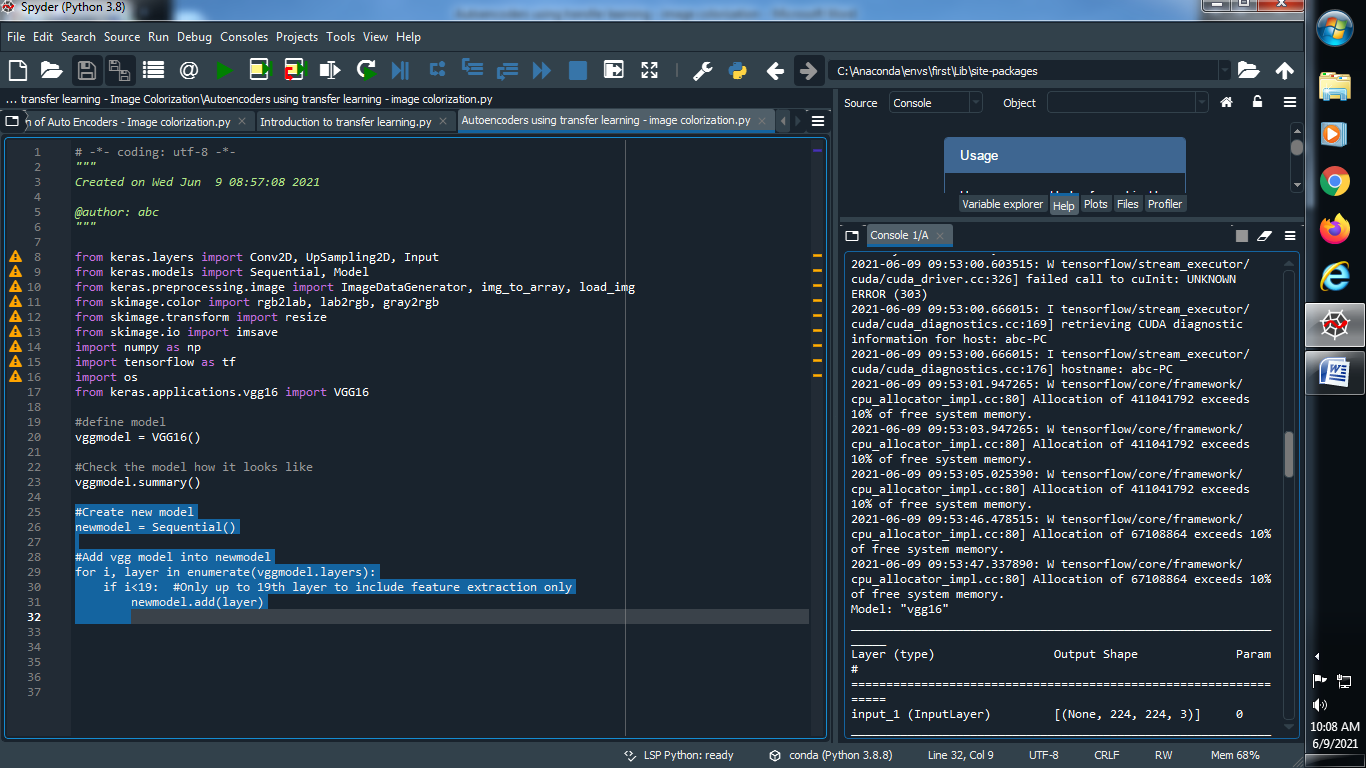
****

**Output :**

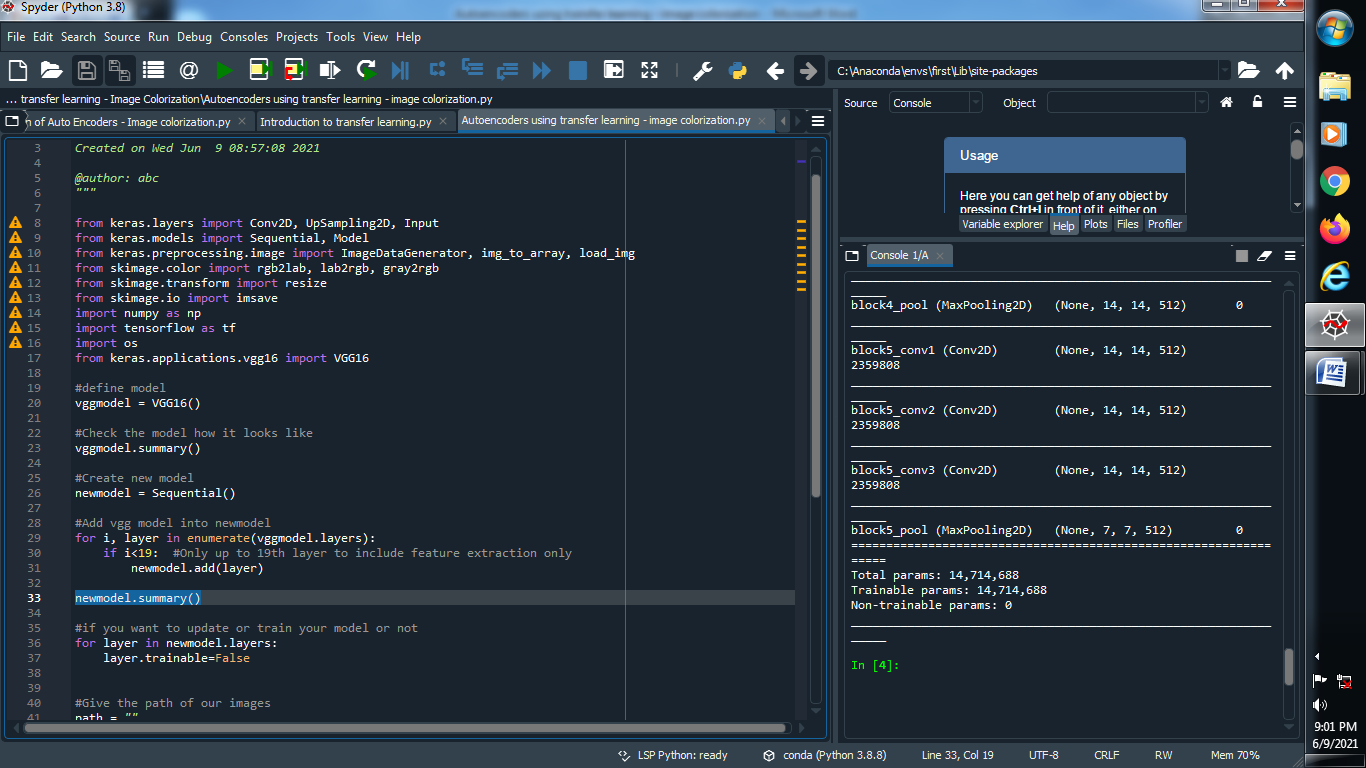
****

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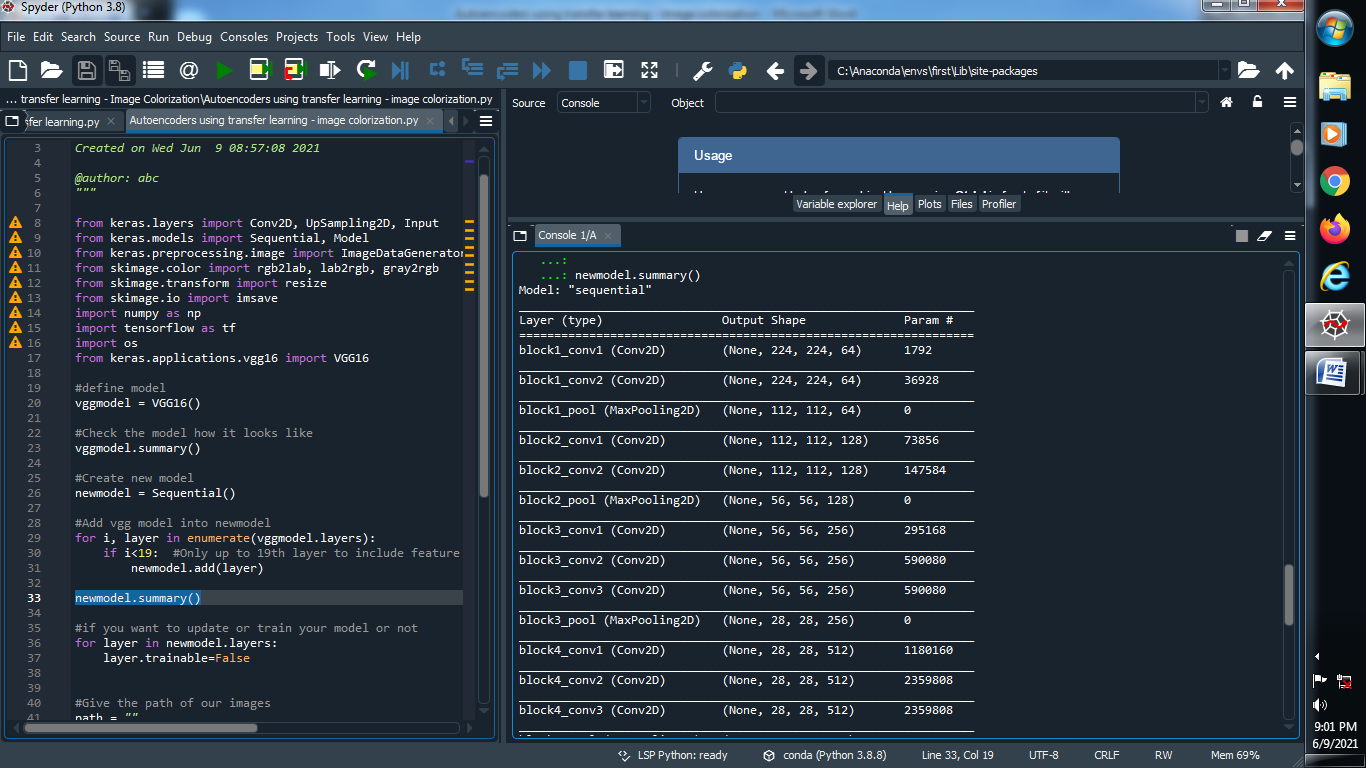
**(3) Create a new empty model and add VGG16 model into it :**

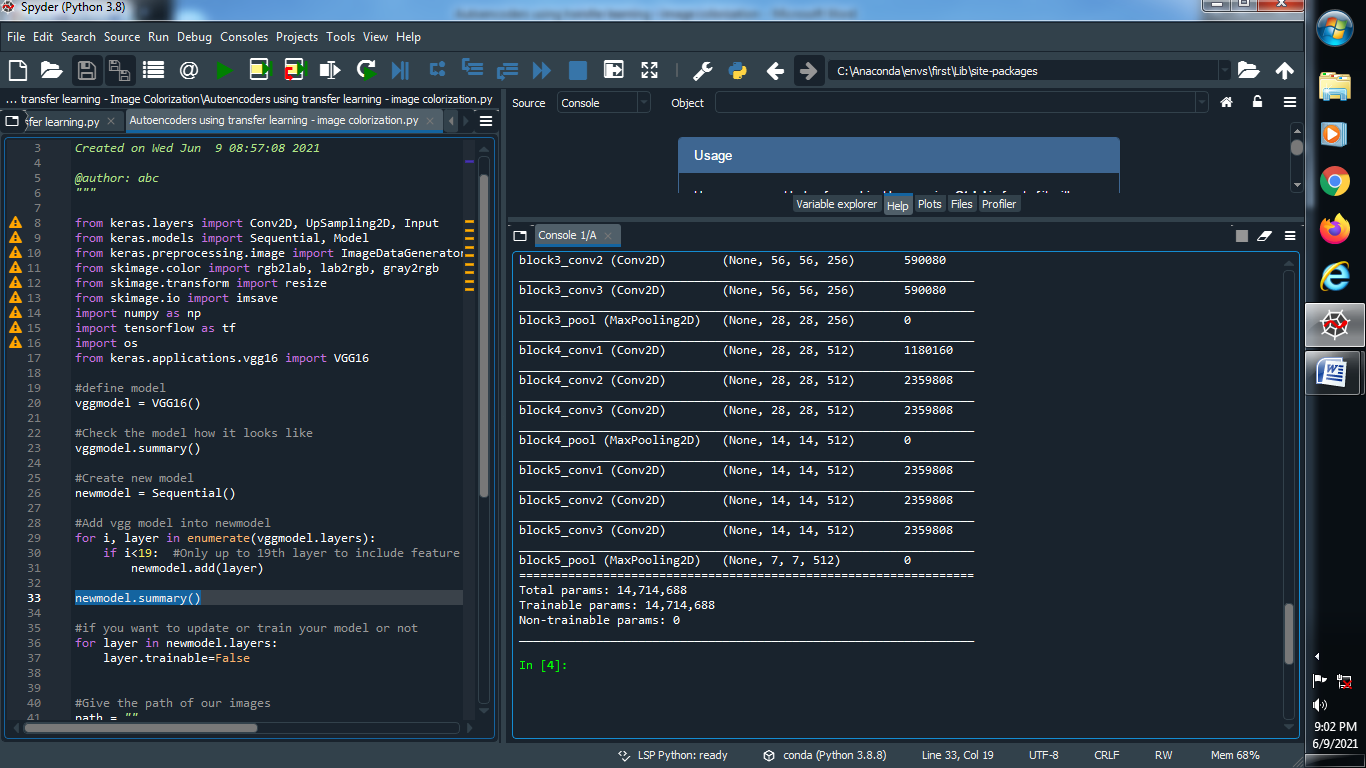
****

**(4) Let’s check summary of new model :**

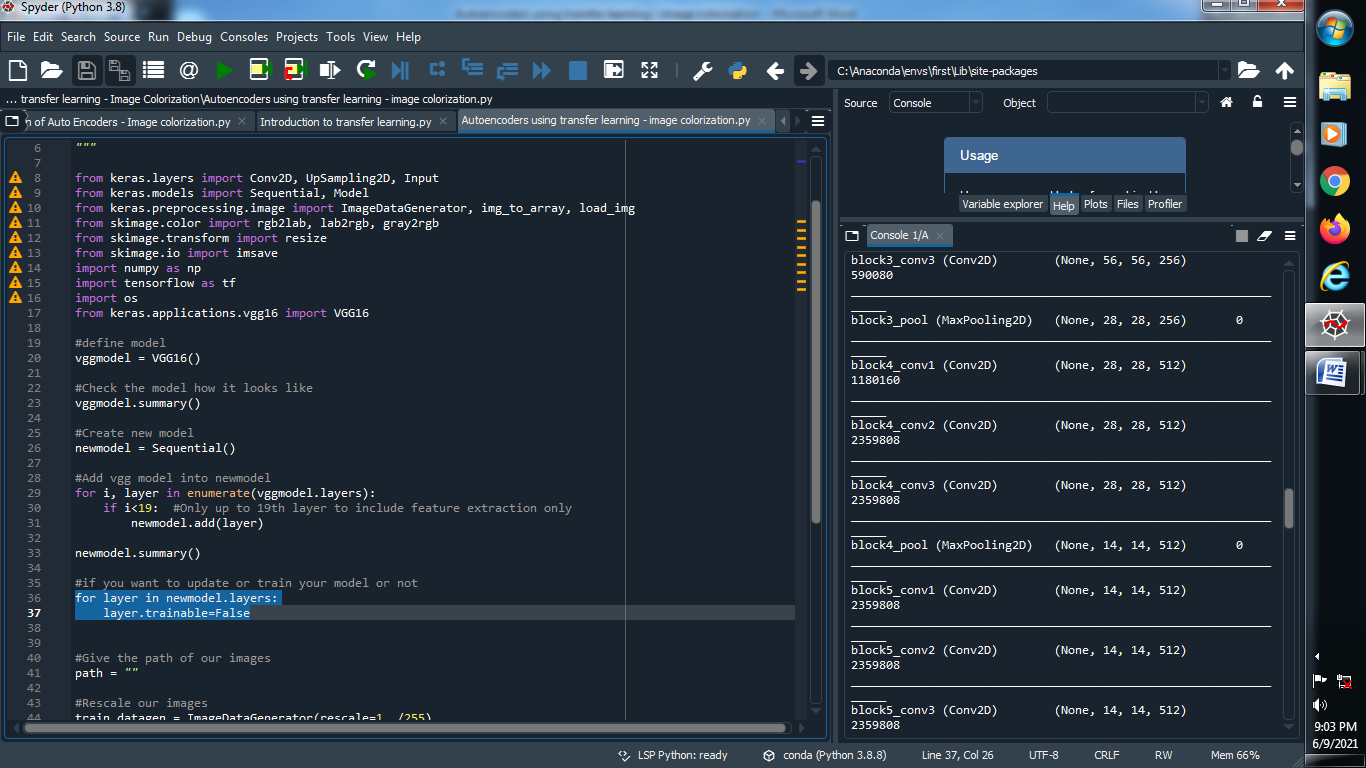
****

**Output :**

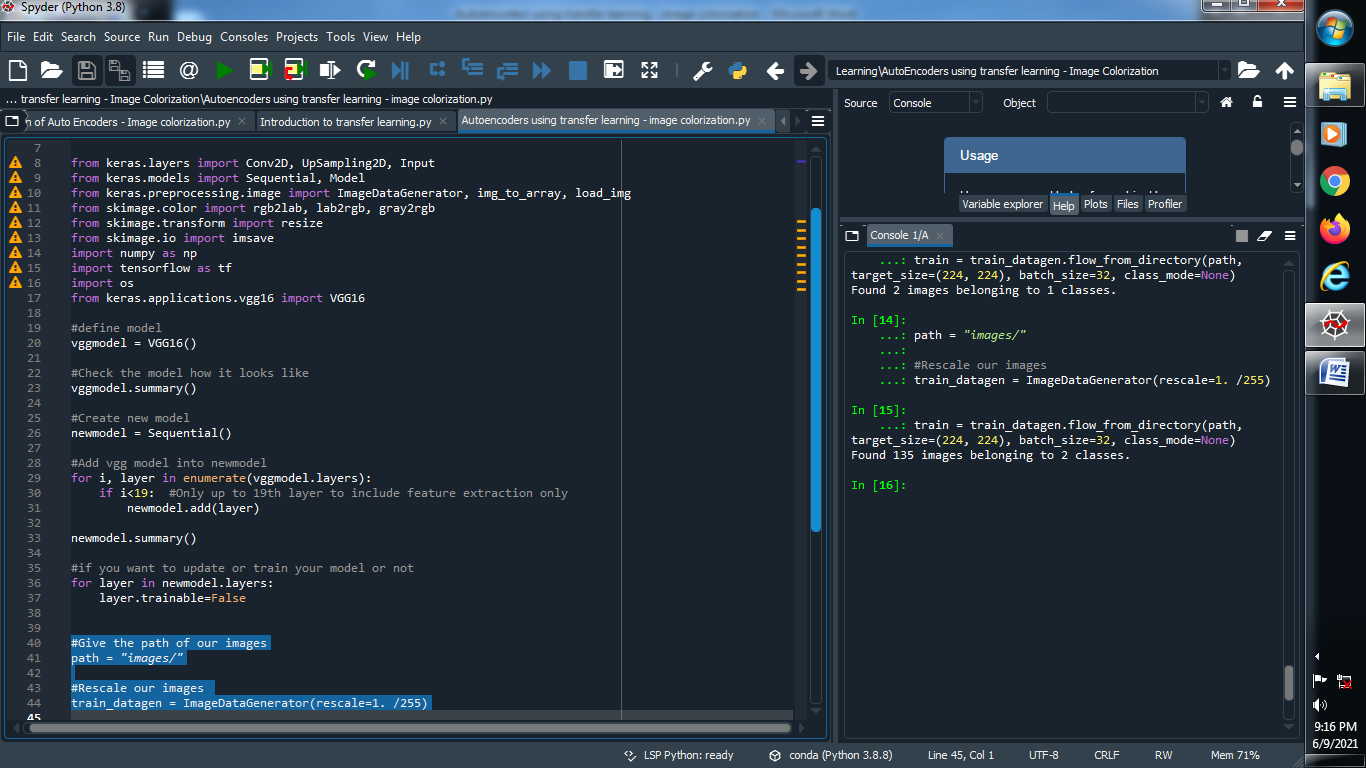
****

****

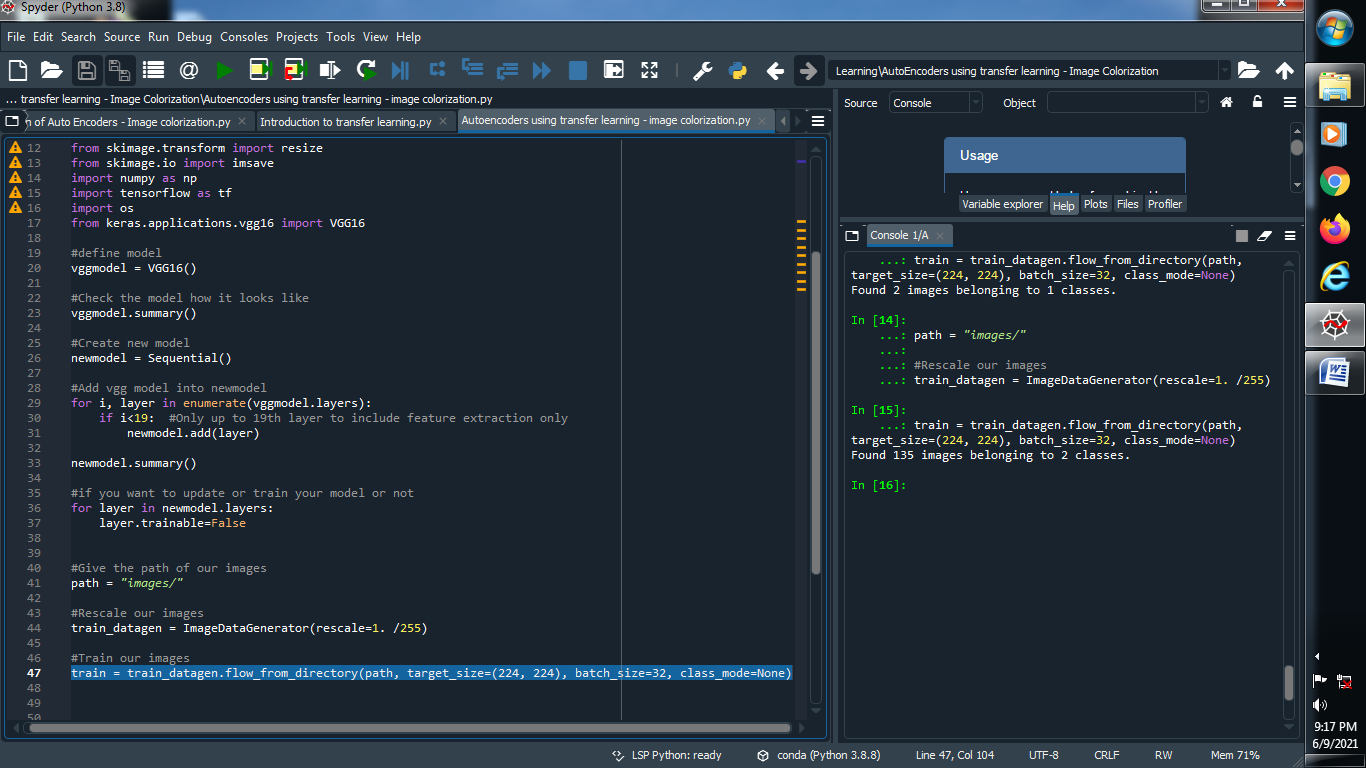
**(5) If you want to update or train your model or not :**

****

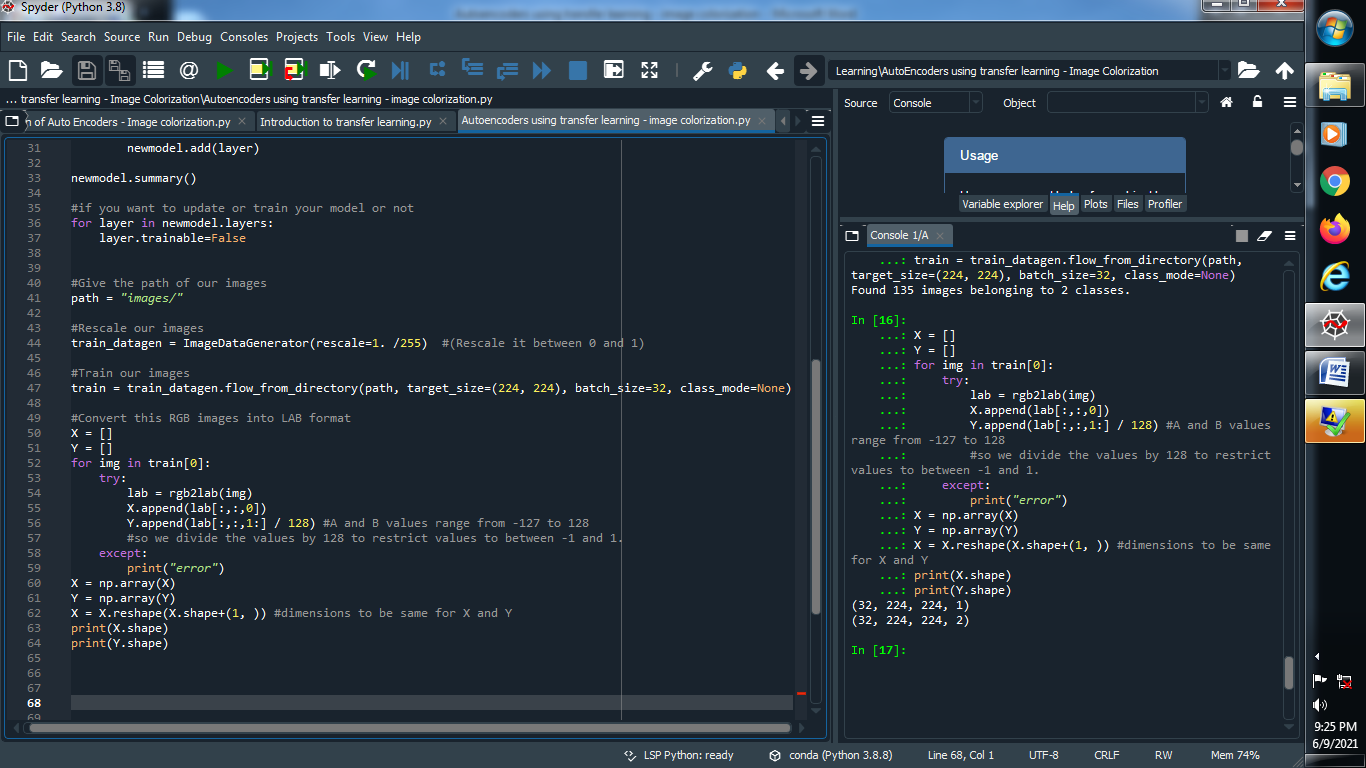
**(6) Give the path of our images and rescale it :**

****

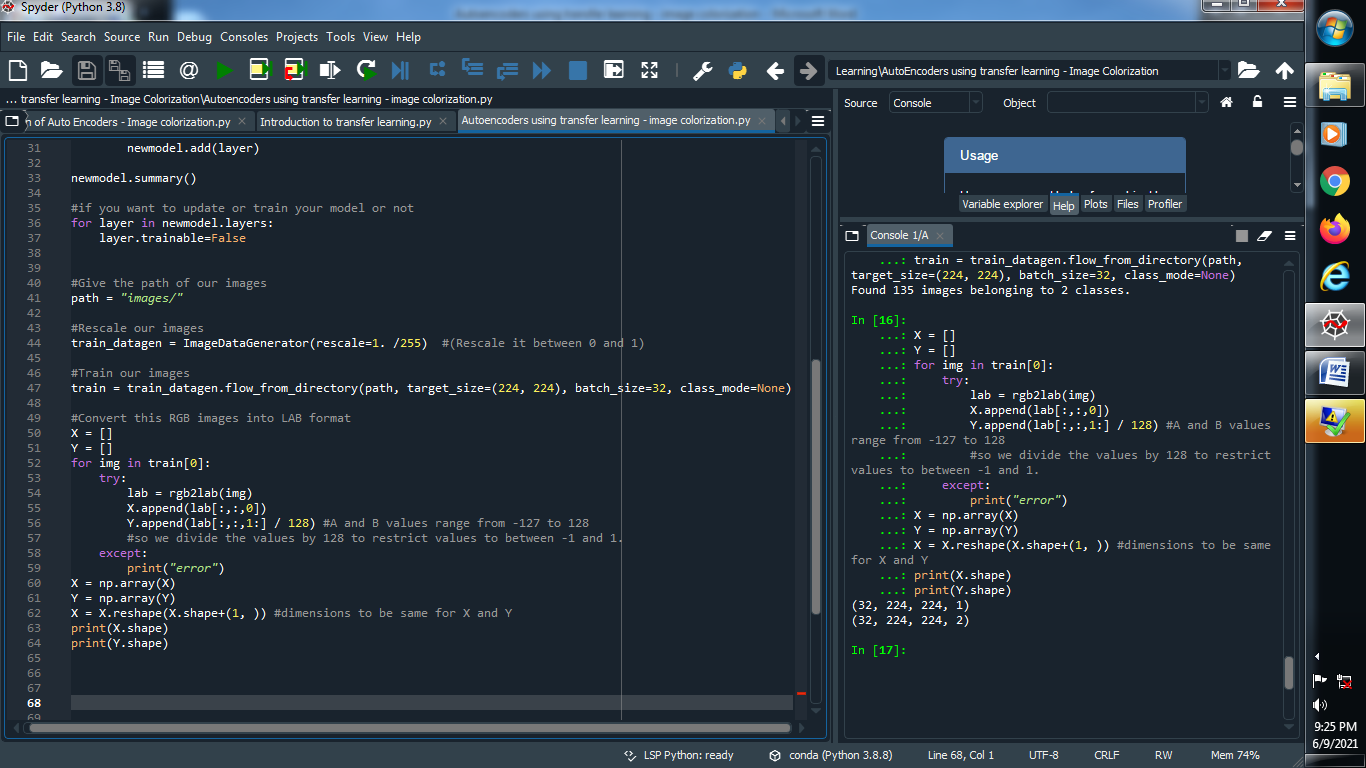
**(7) Train our images :**

****

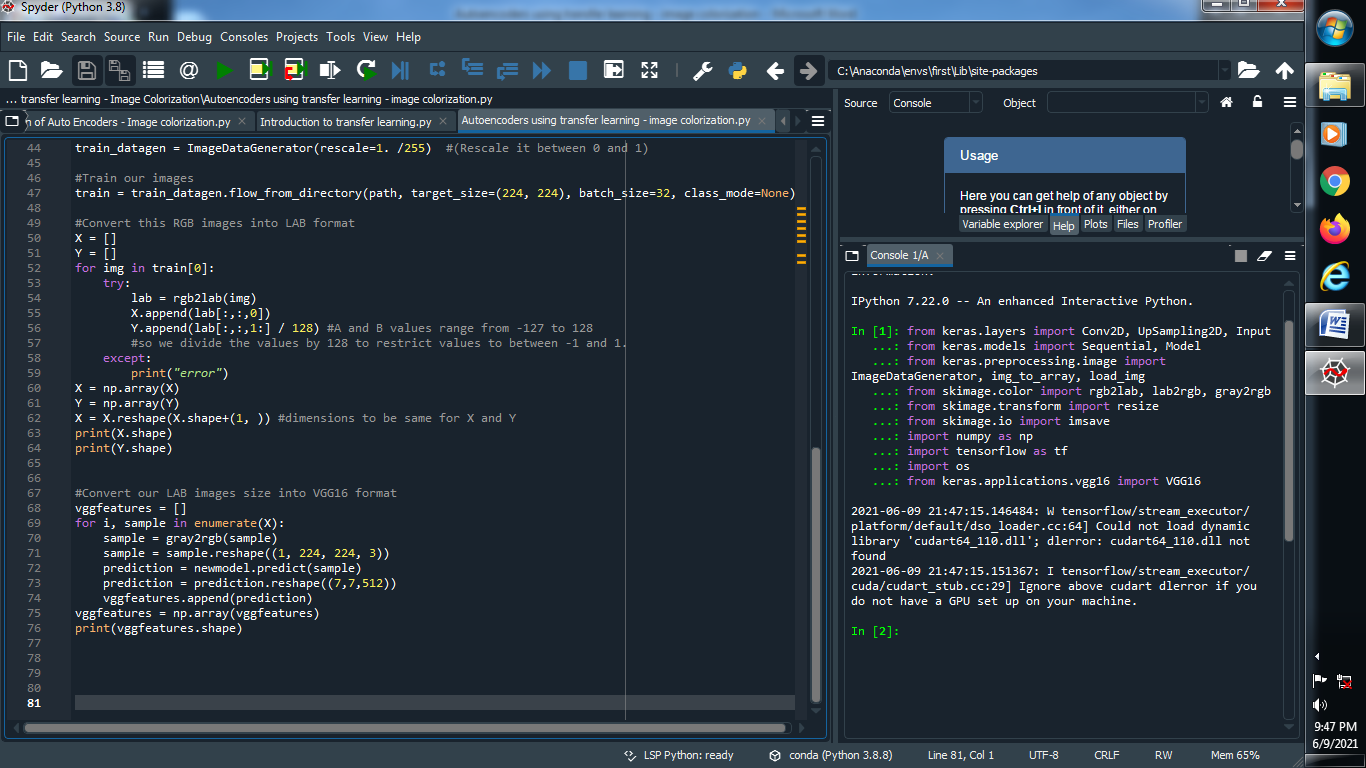
**(8) Convert Our RGB images into LAB format :**

****

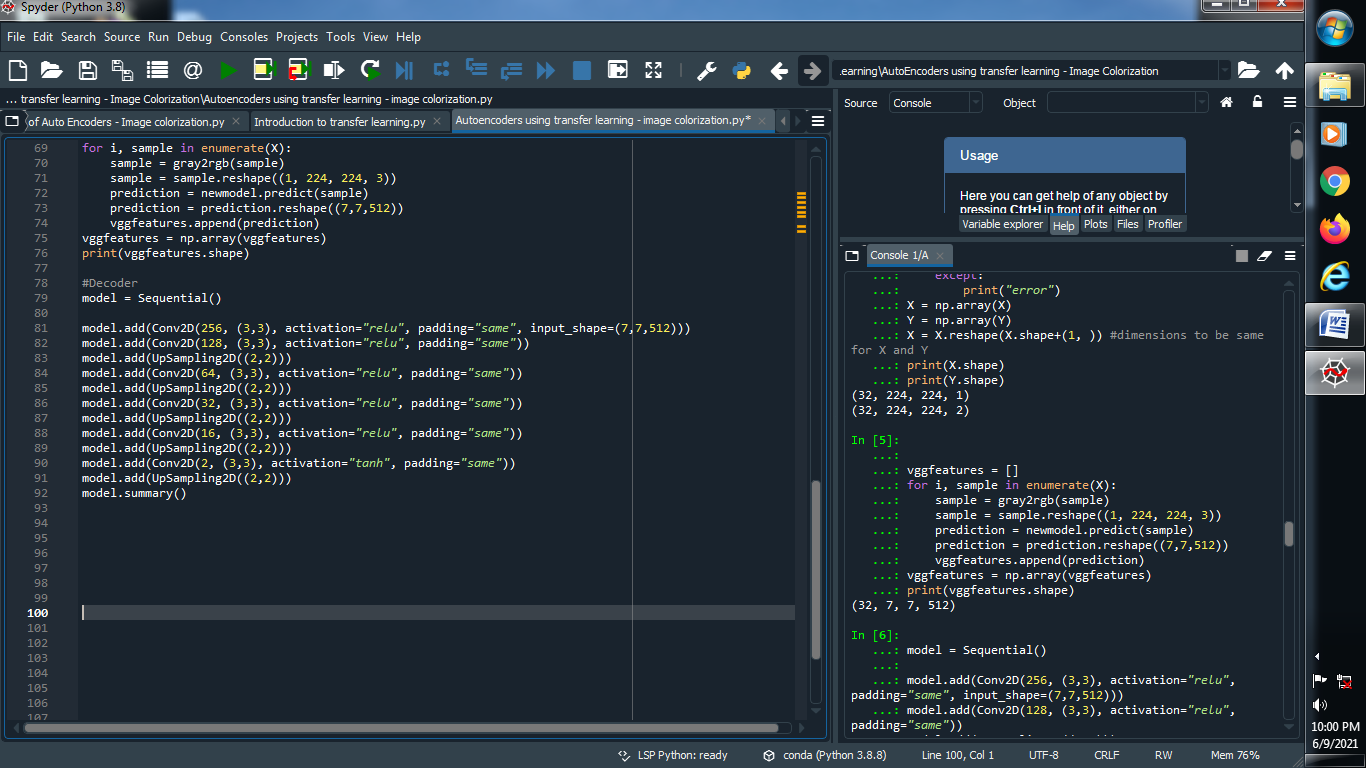
**Output :**

****

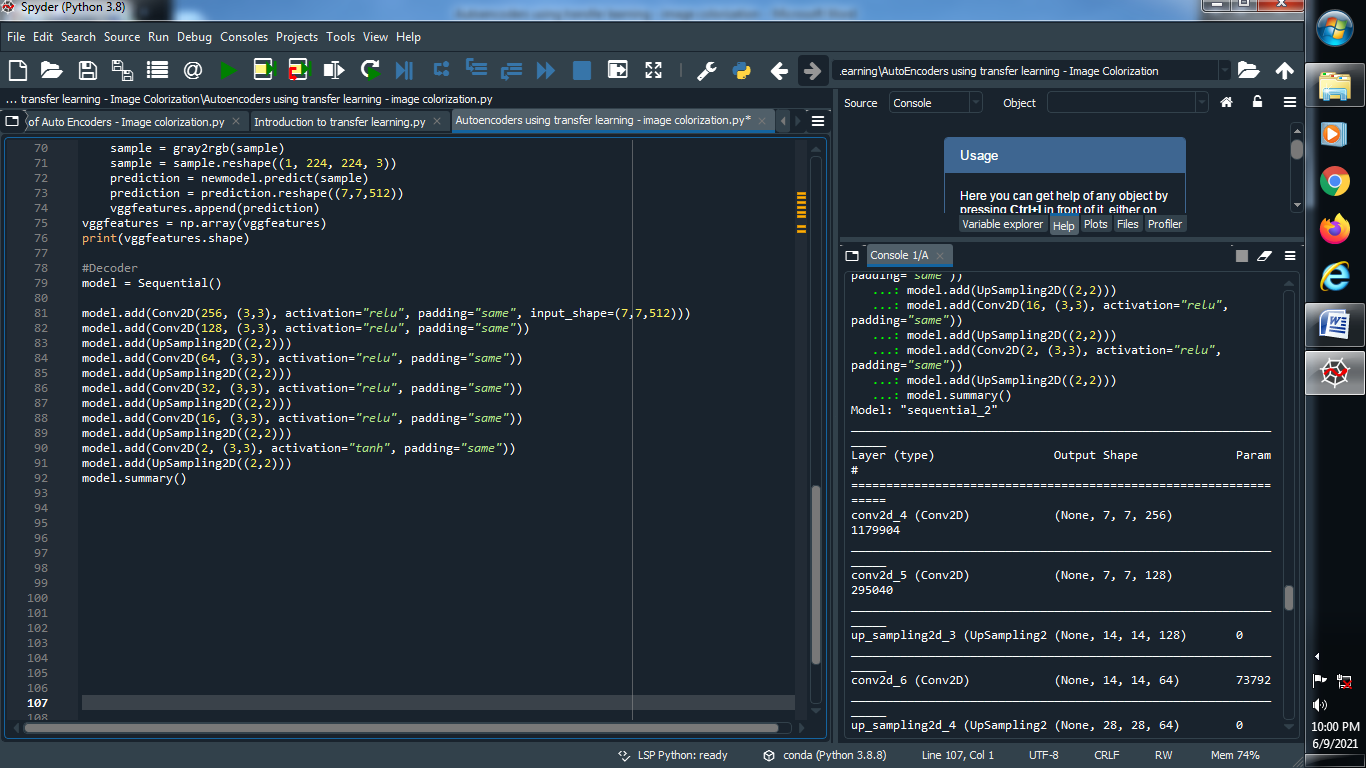
**(9) Convert LAB images into VGG16 format :**

****

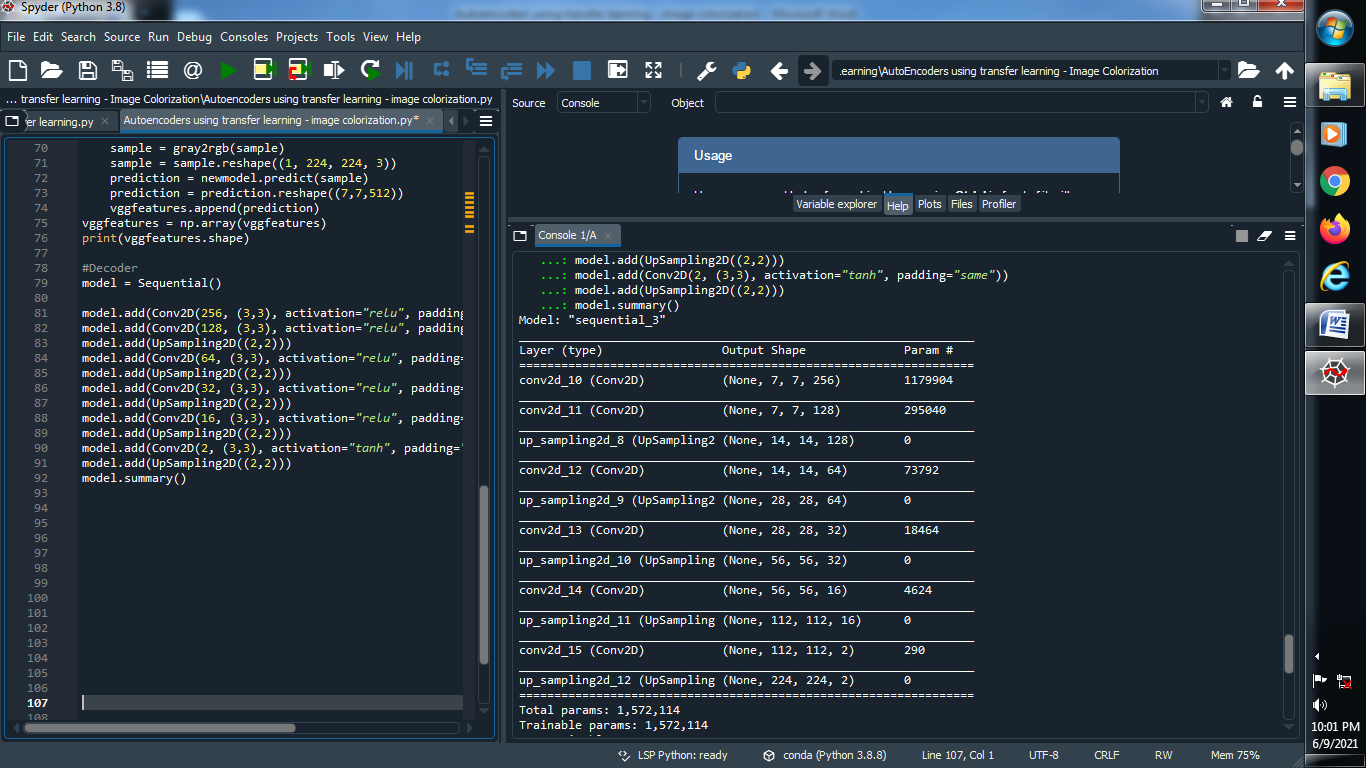
**Output :**

****

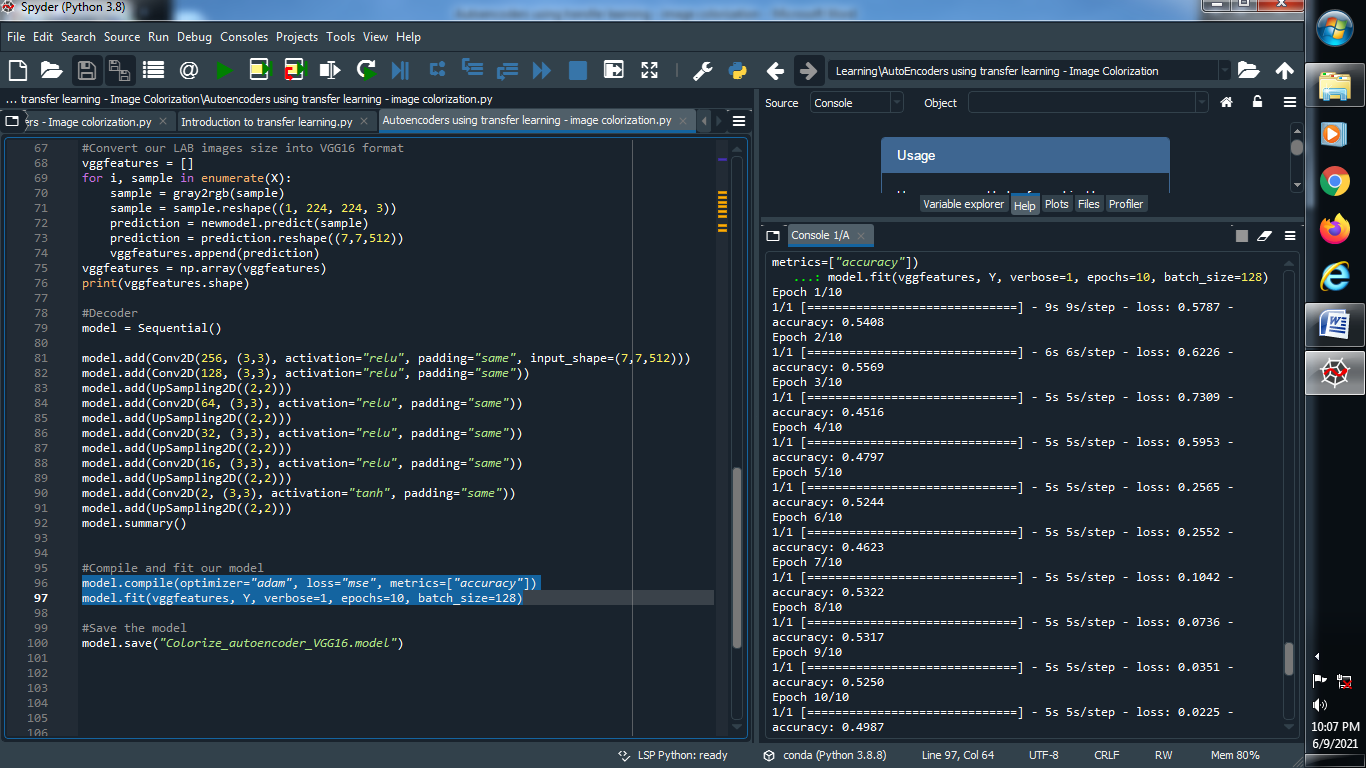
**(10) Define Decoder :**

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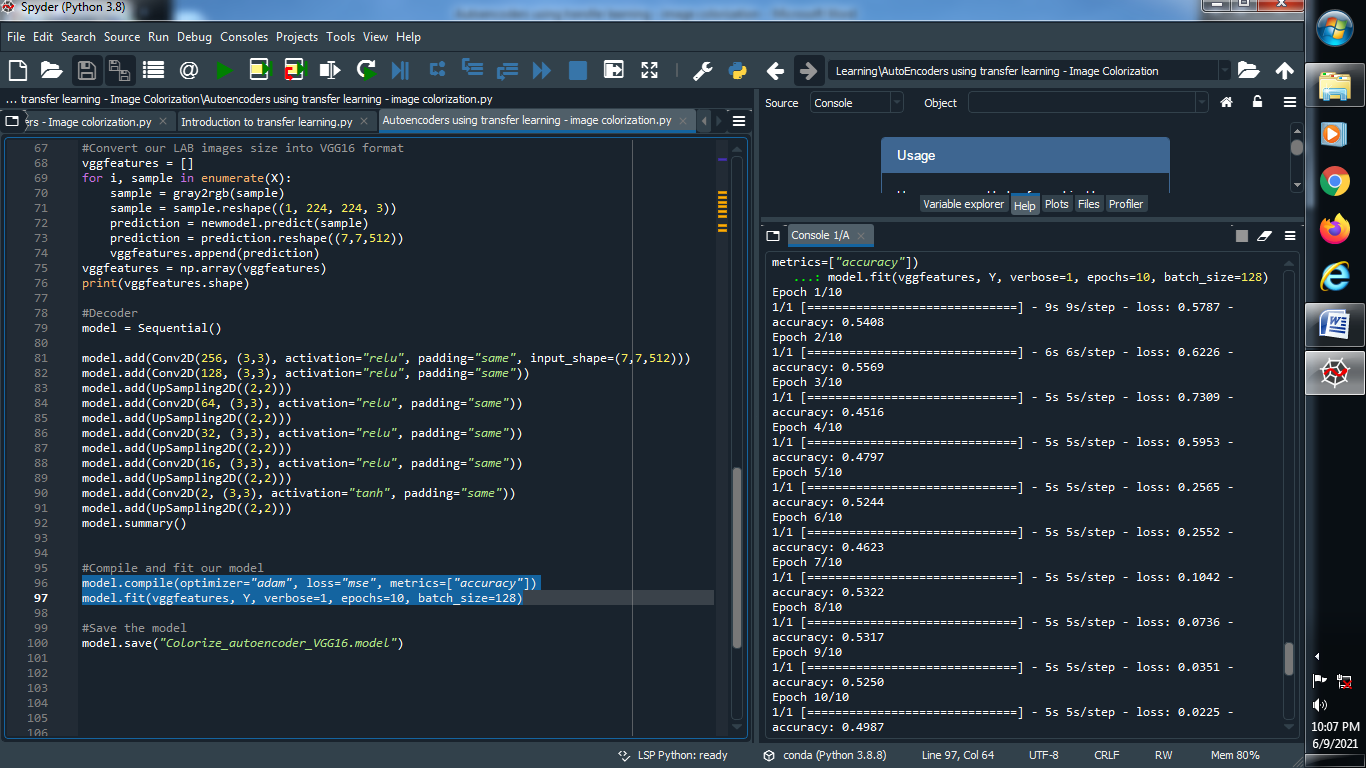
**Output :**

****

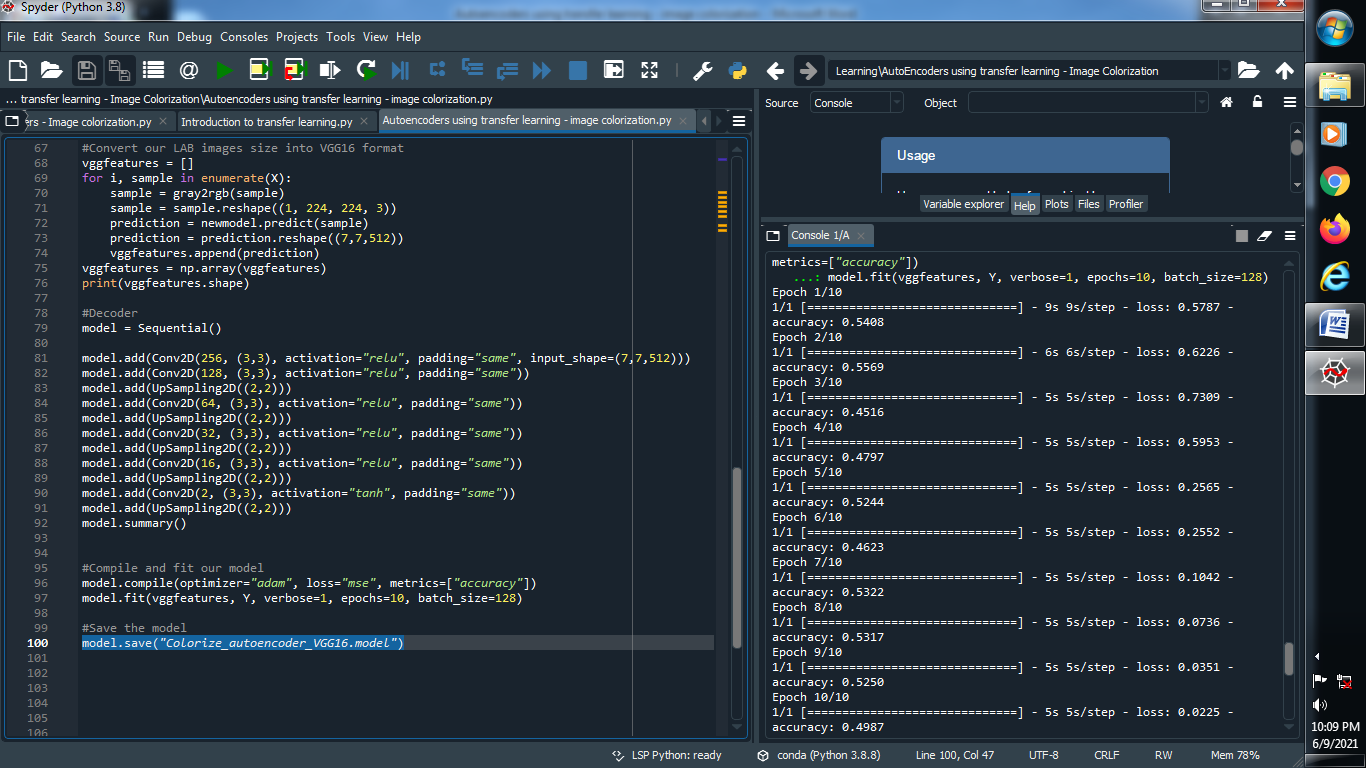
**(11) Compile and fit the model and find accuracy :**

****

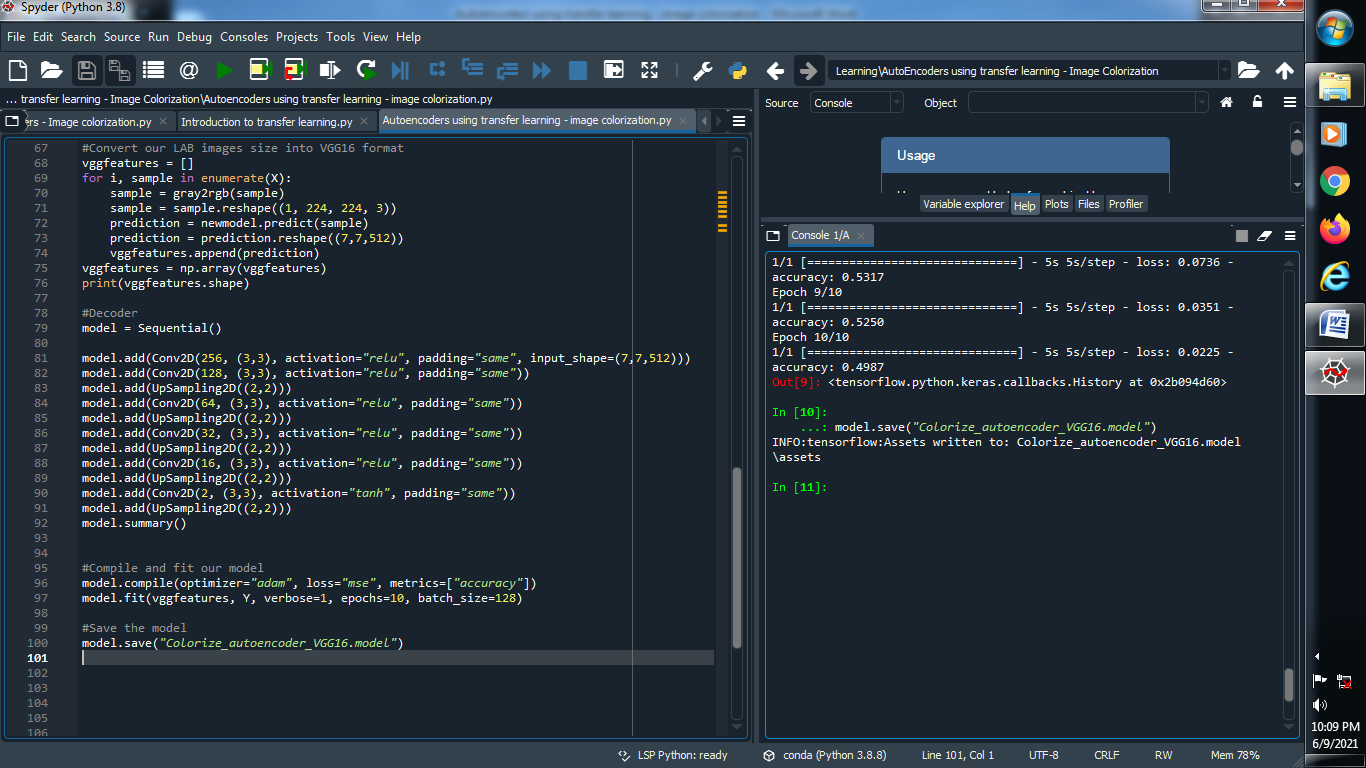
**Output :**

****

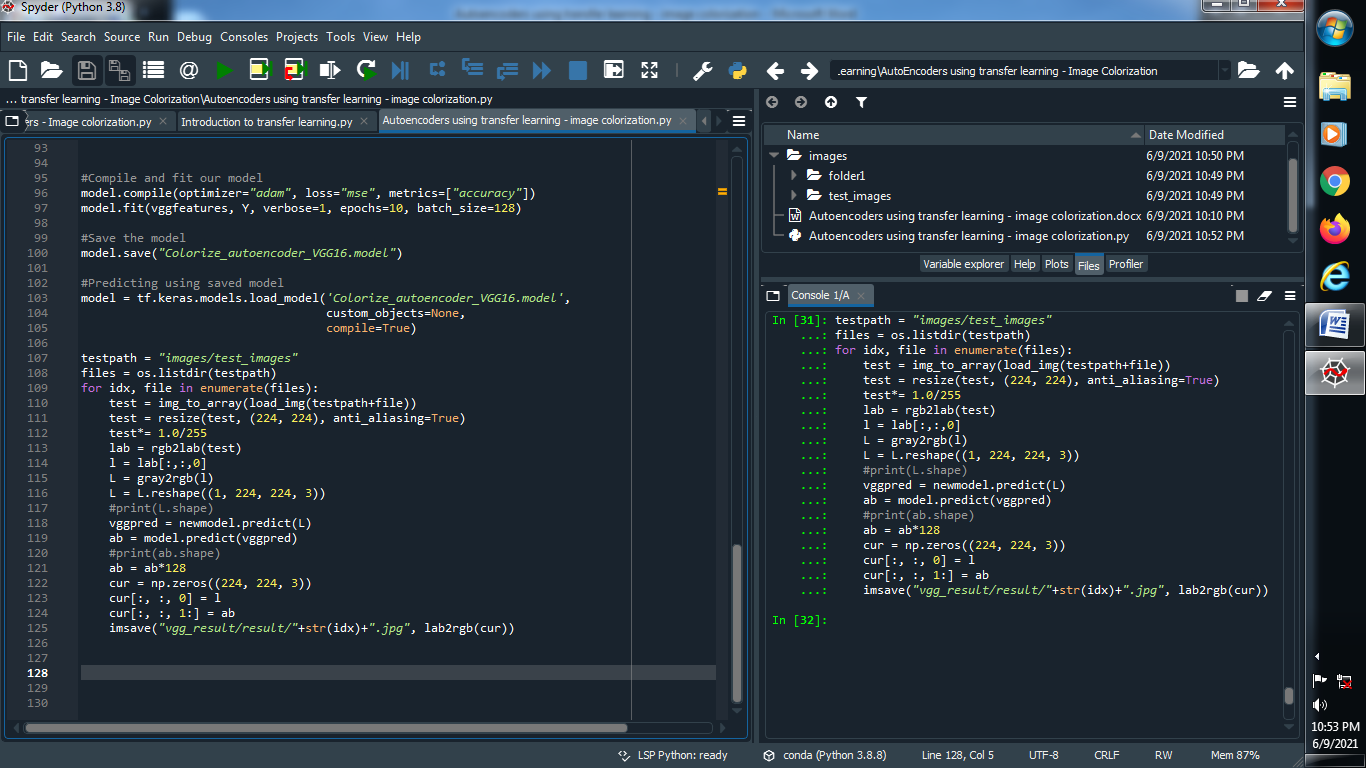
**(12) Save the model :**

****

**Output :**

****

**(13) Predicting using saved model :**

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