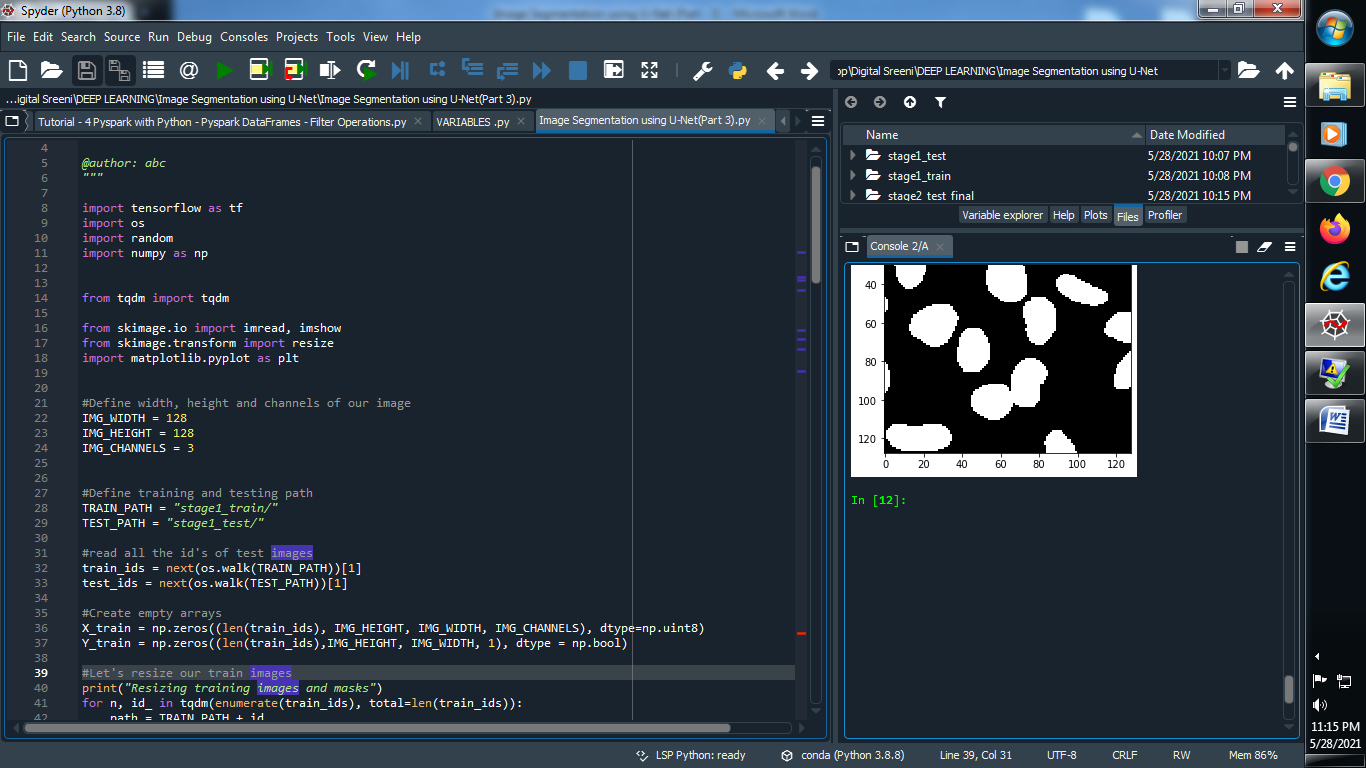
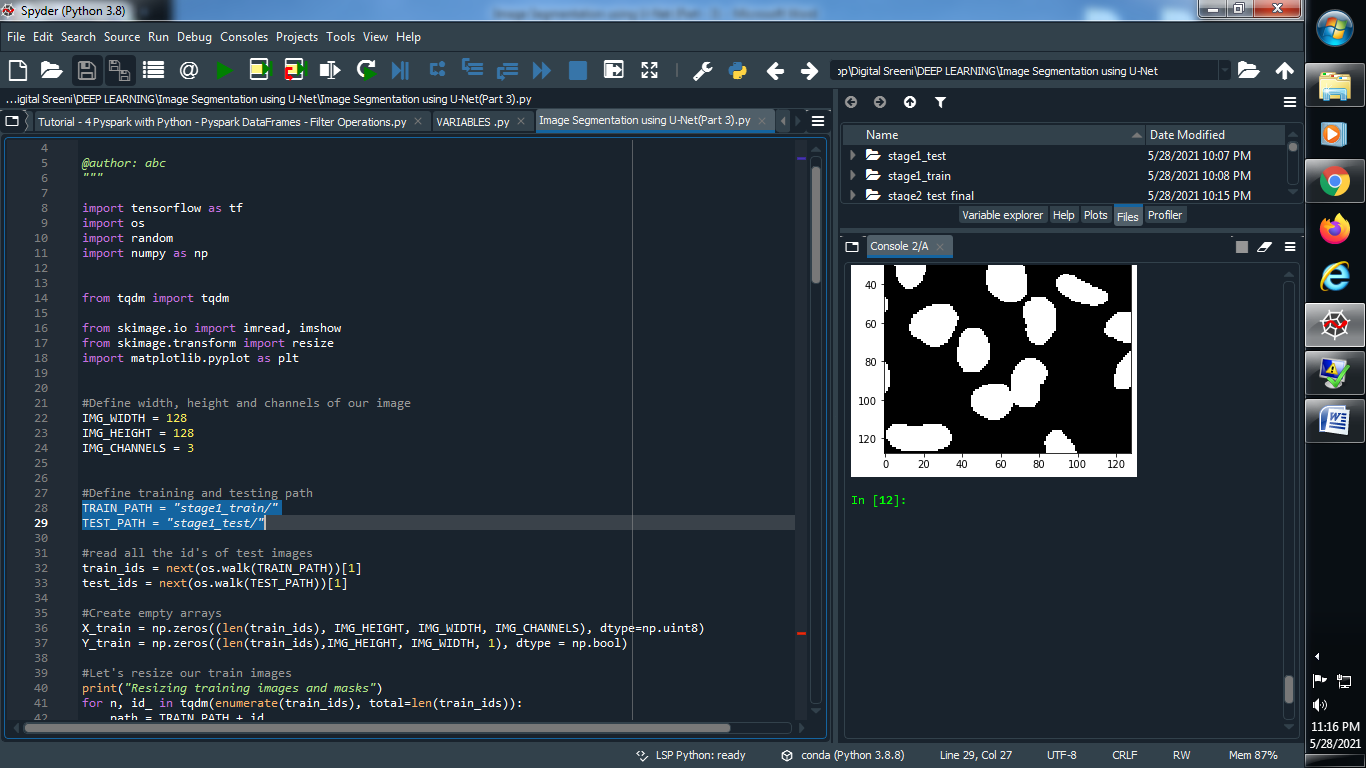
**→Here we will talk about Understanding the data and getting it ready for U-Net :**

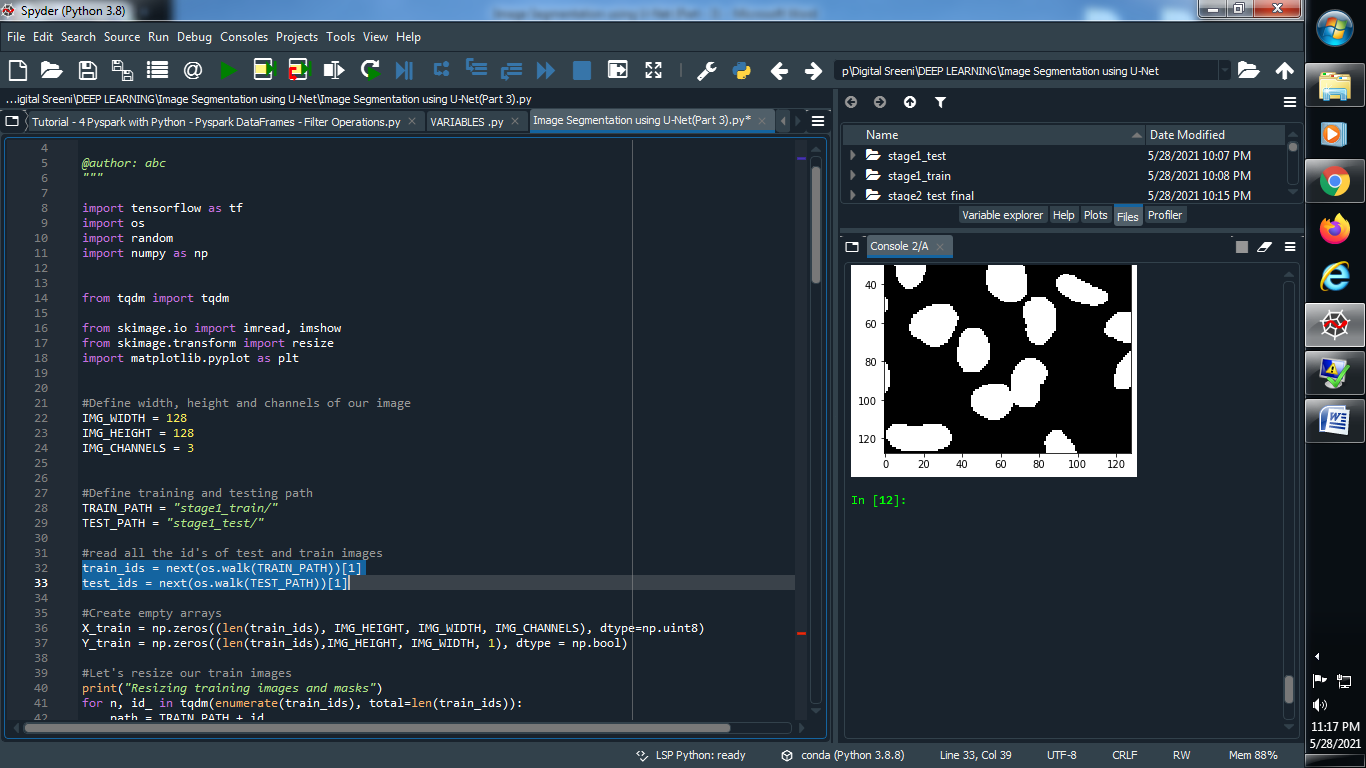
**(1) Import library’s and define width, height and channels of our image :**

****

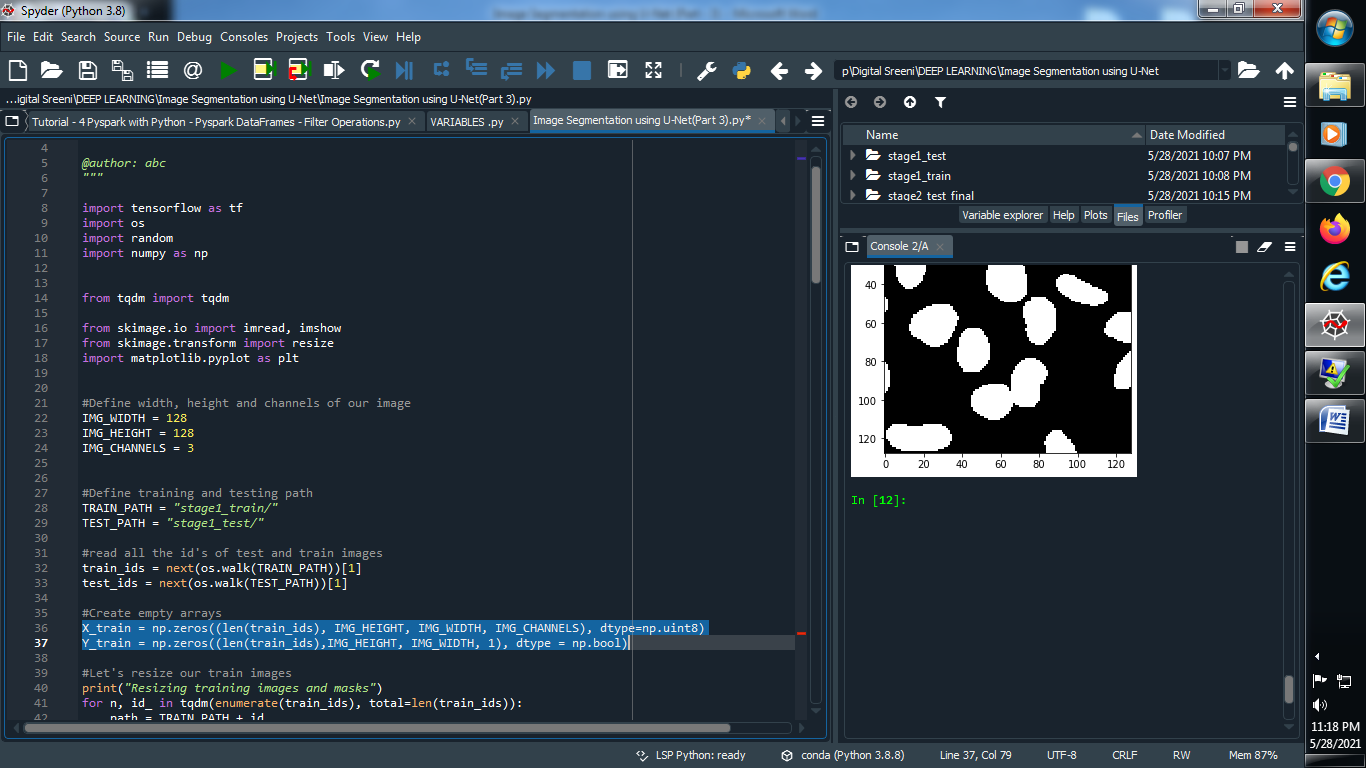
**(2) Define training and testing path :**

****

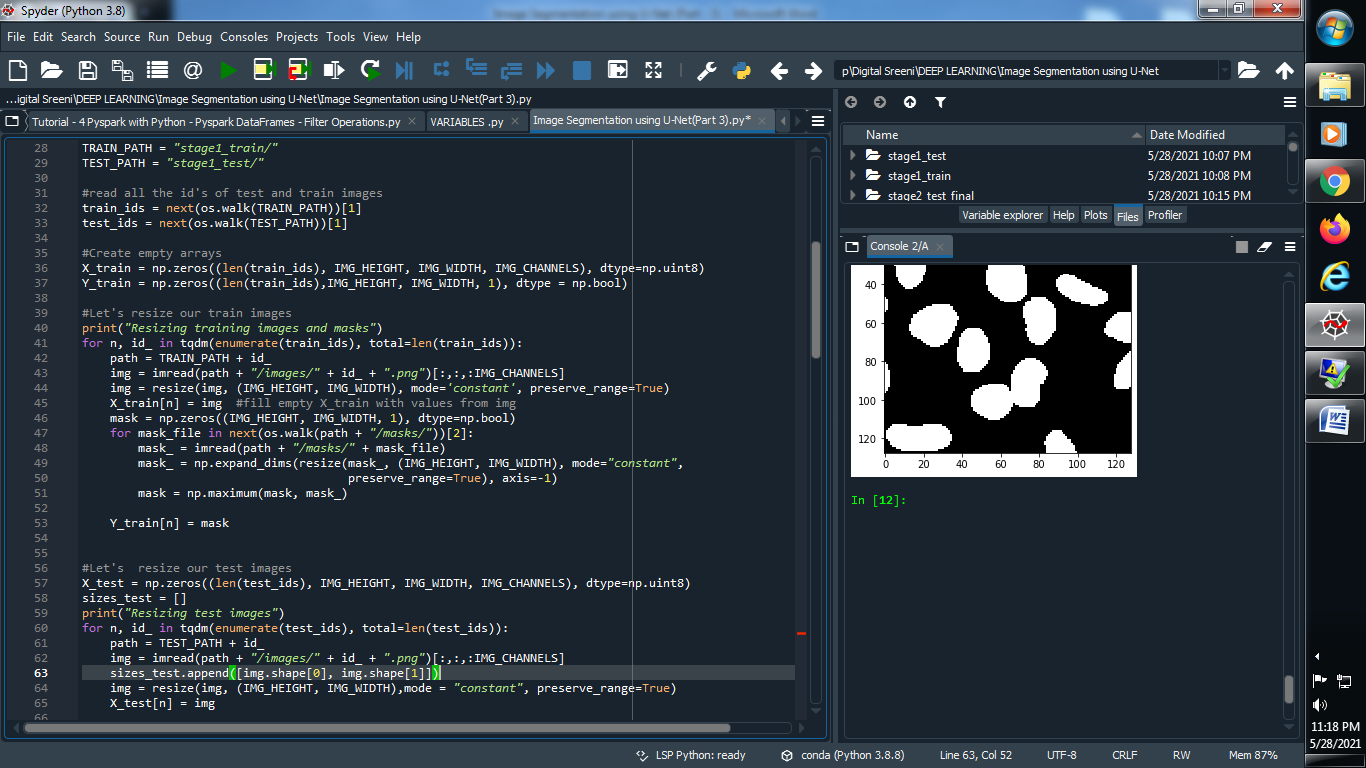
**(3) Read all the id’s of test and train images :**

****

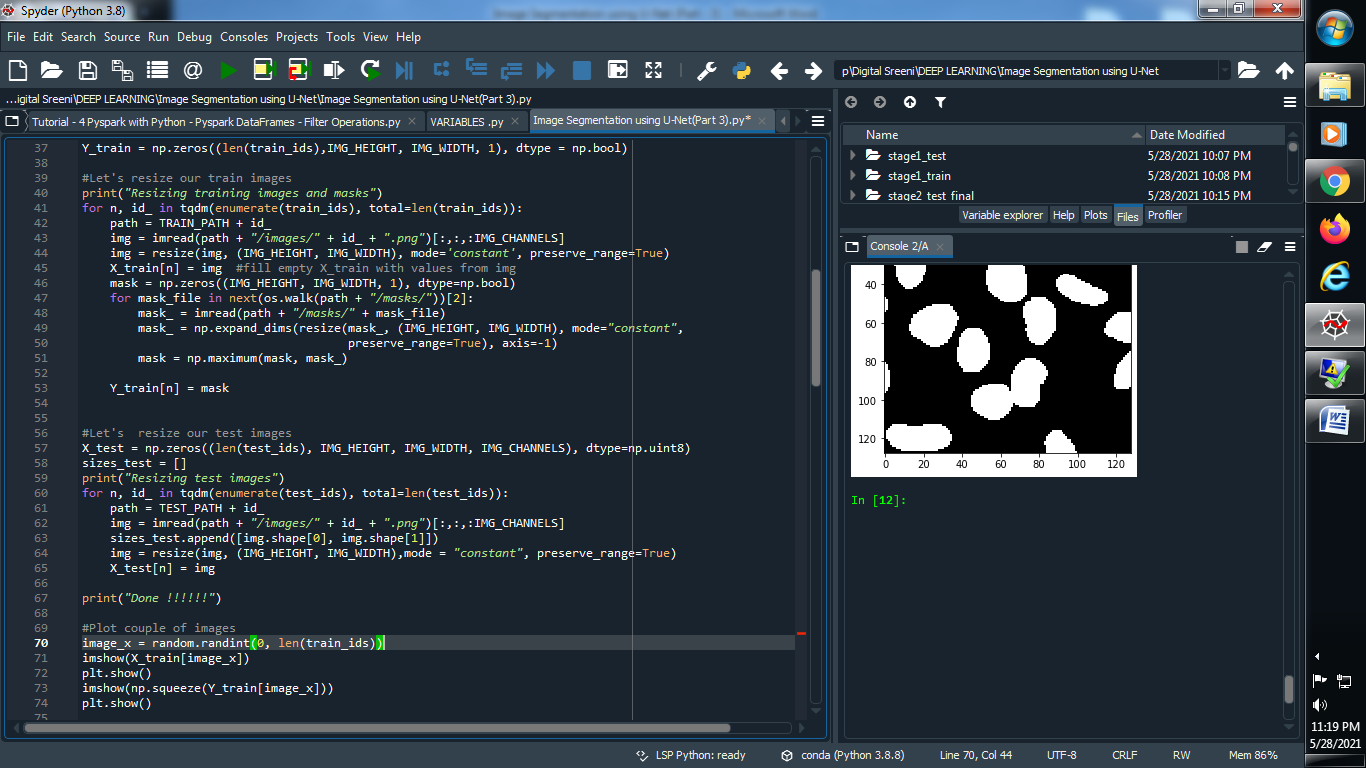
**(4) Create empty array :**

****

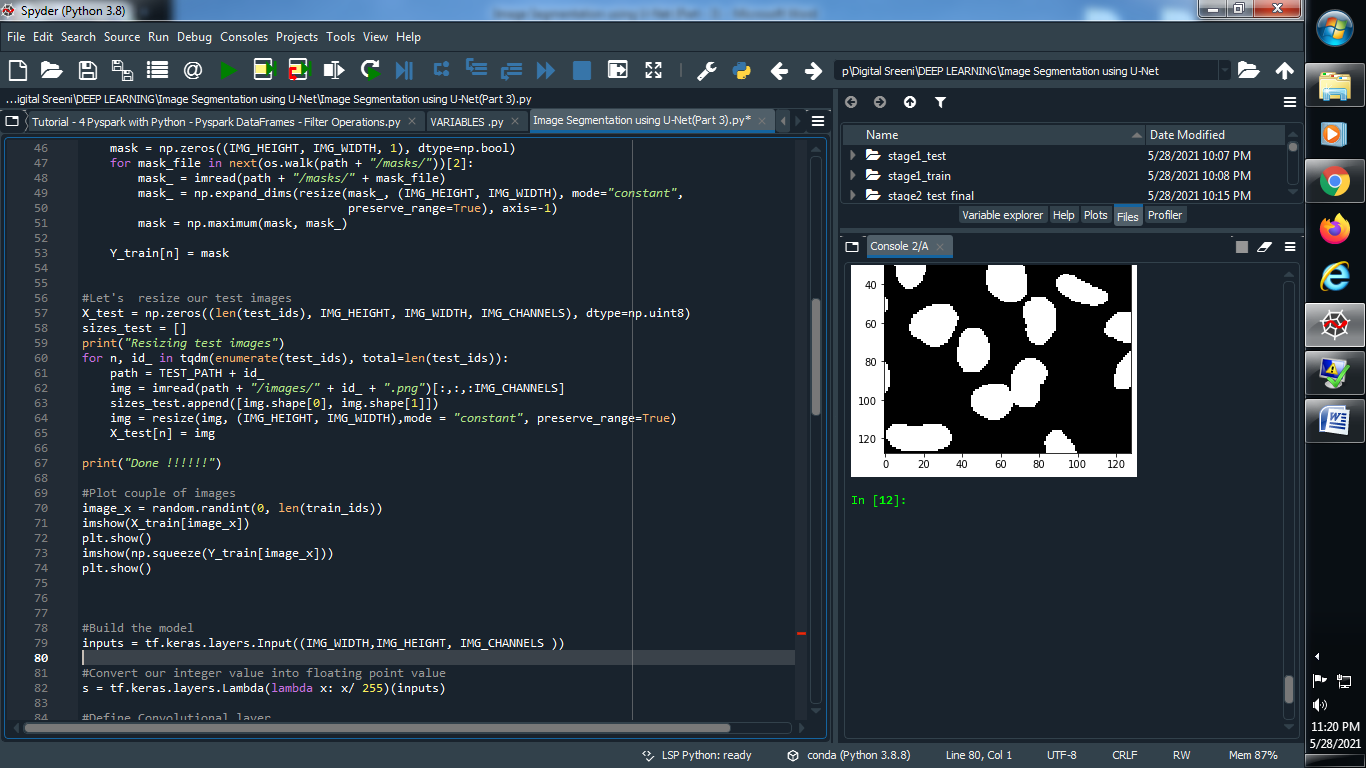
**(5) Resize our train images :**

****

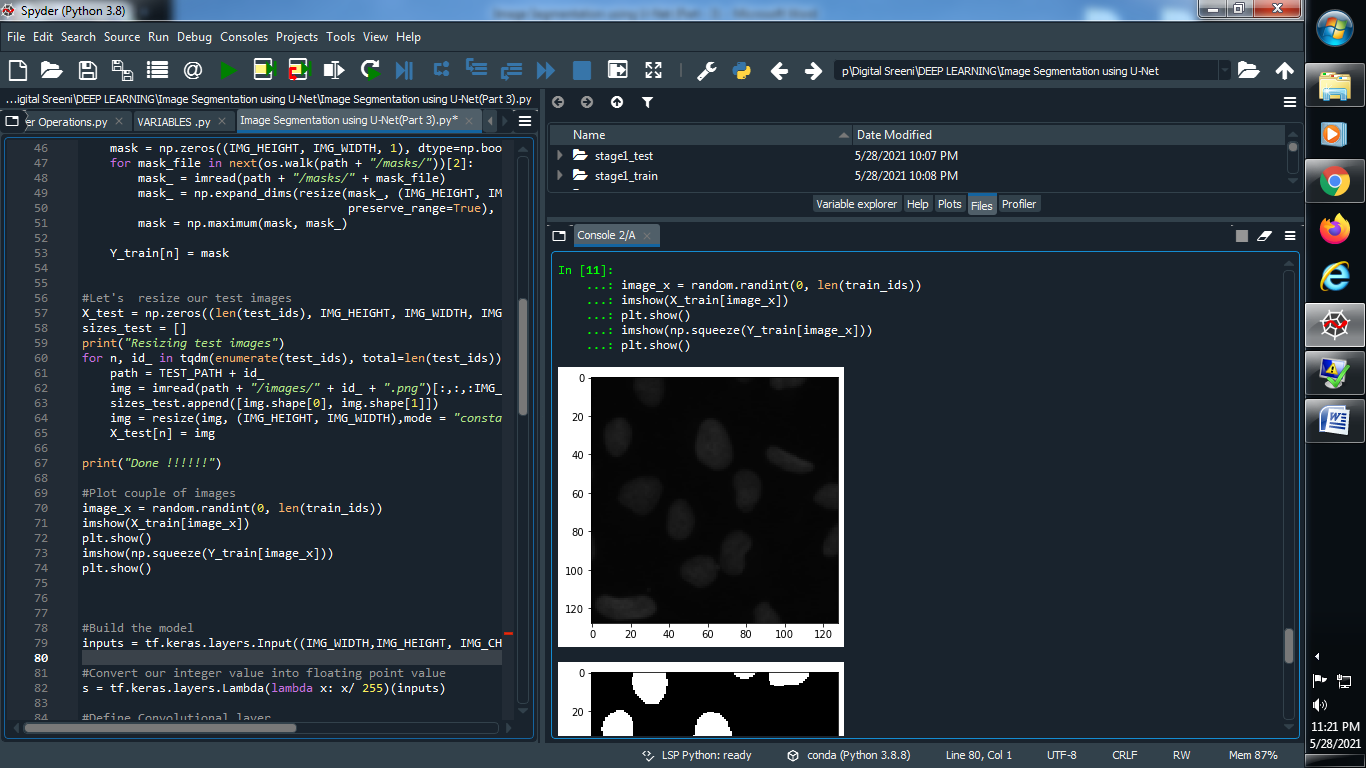
**(6) Resize out test images :**

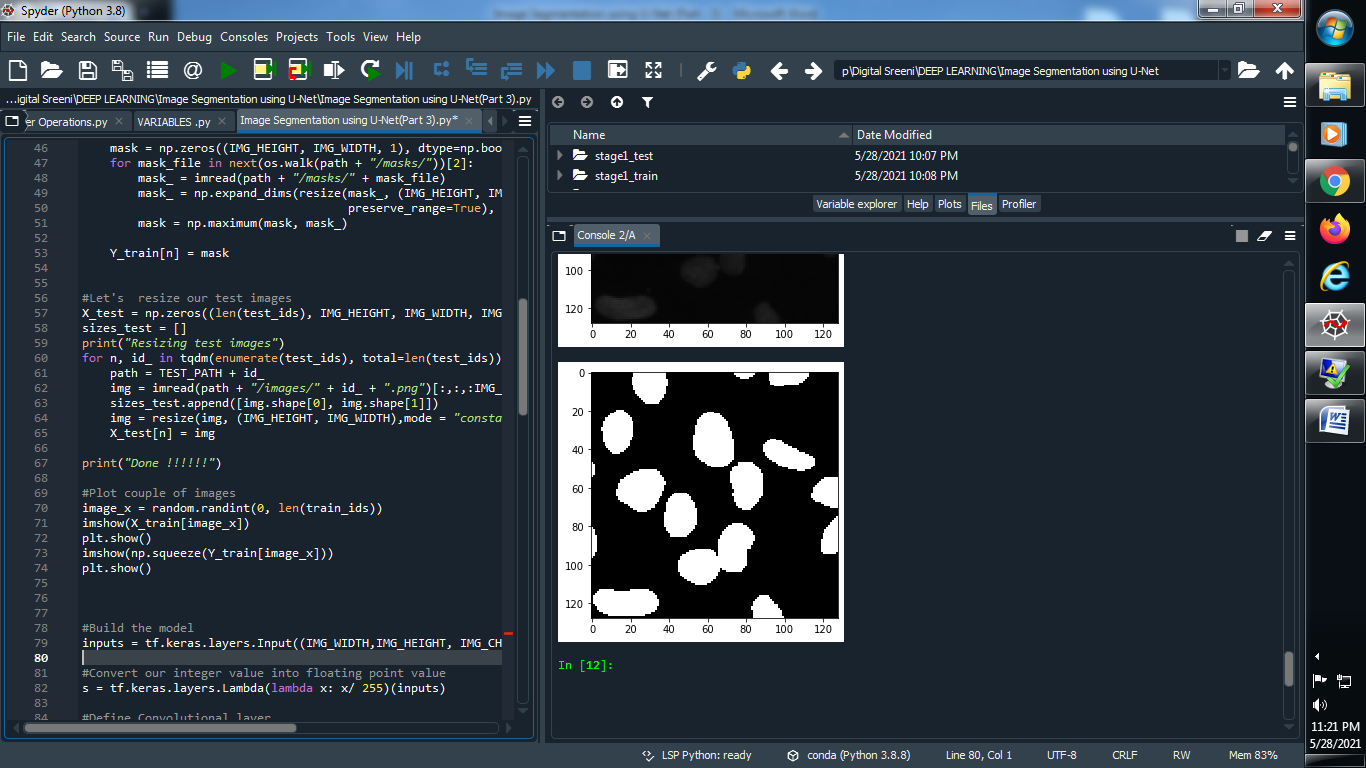
****

**(7) Plot some random images :**

****

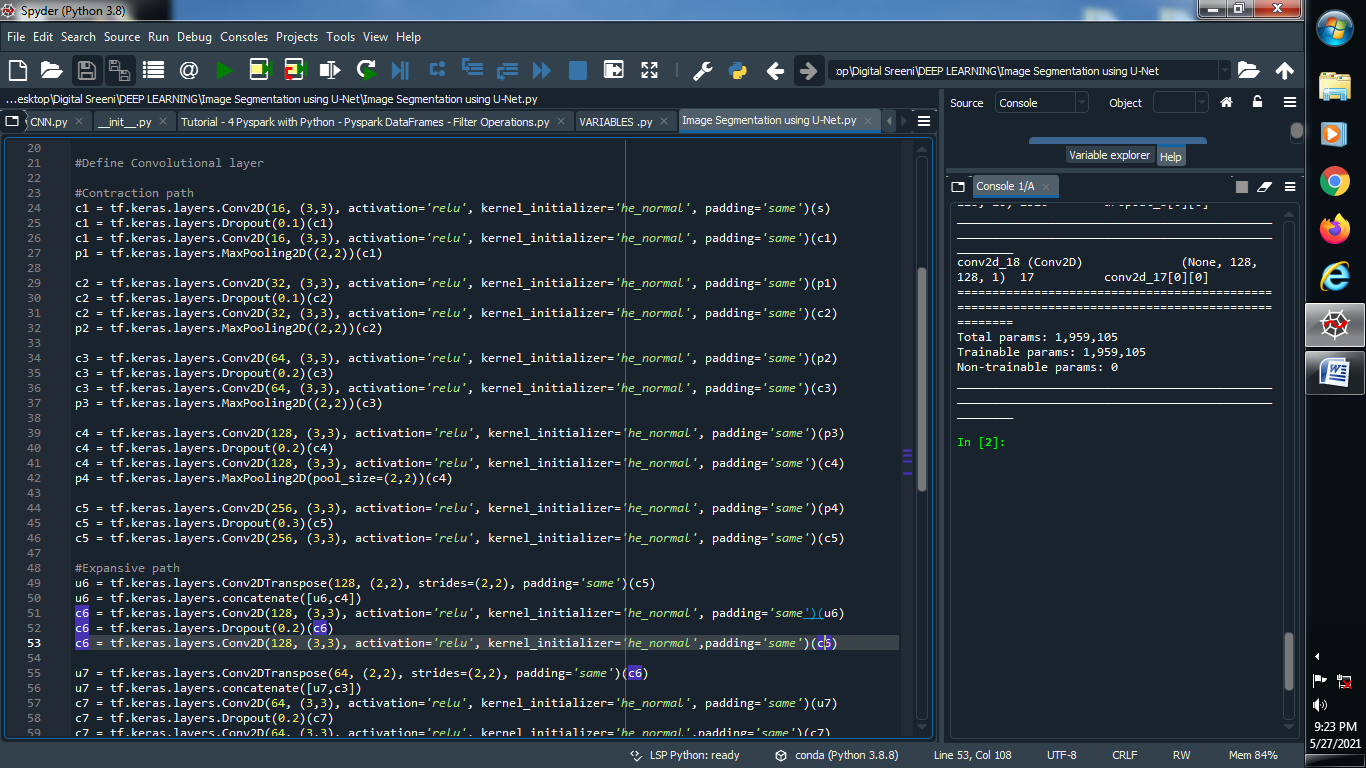
**Output :**

****

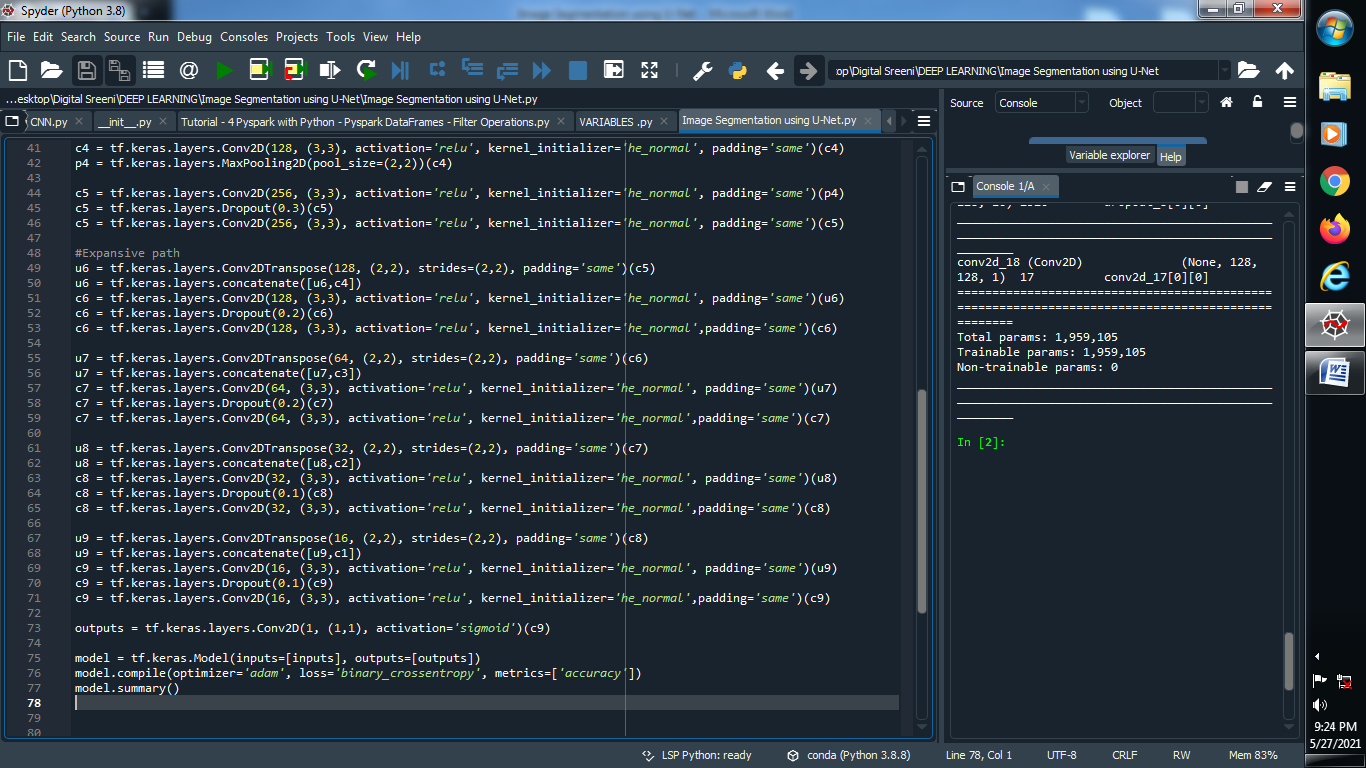
****

**(4) Define Convolutional layer :**

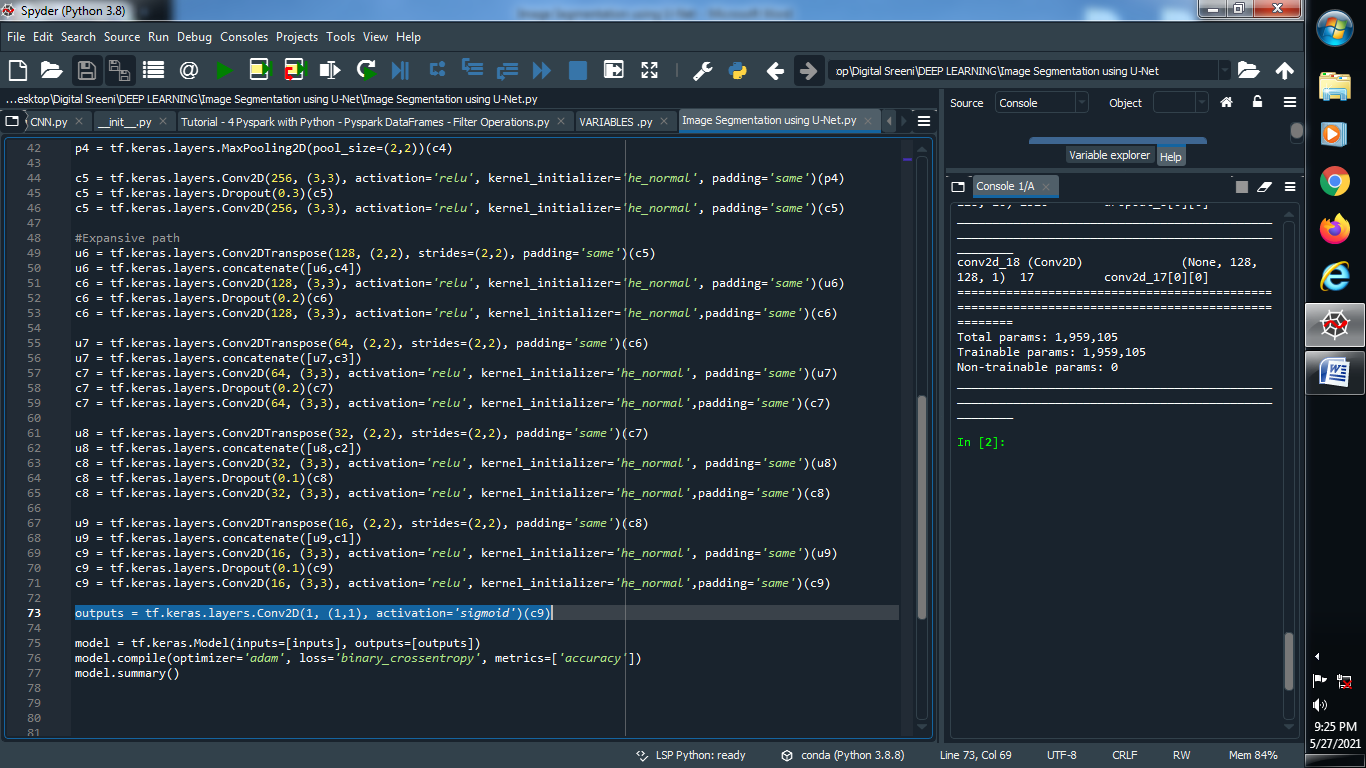
**→ Contraction path :**

****

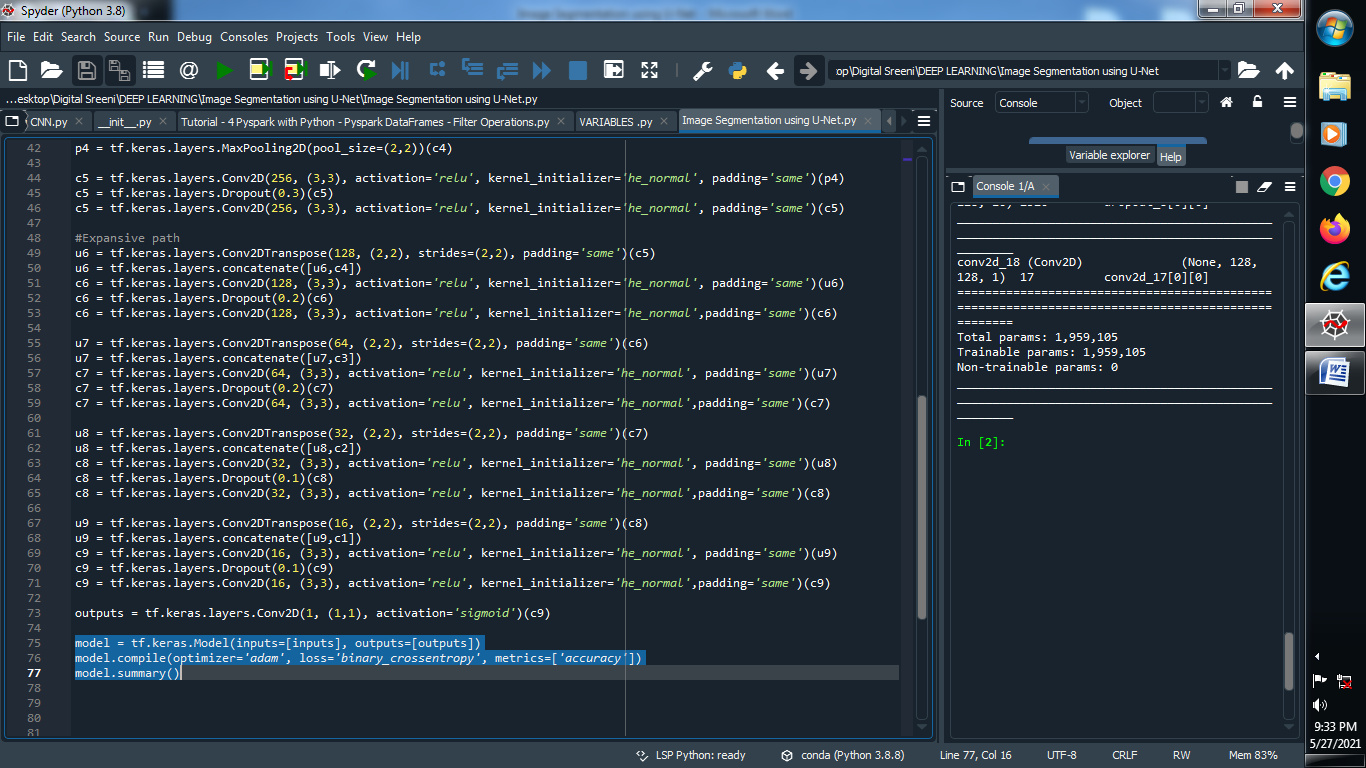
**→ Expansive path :**

****

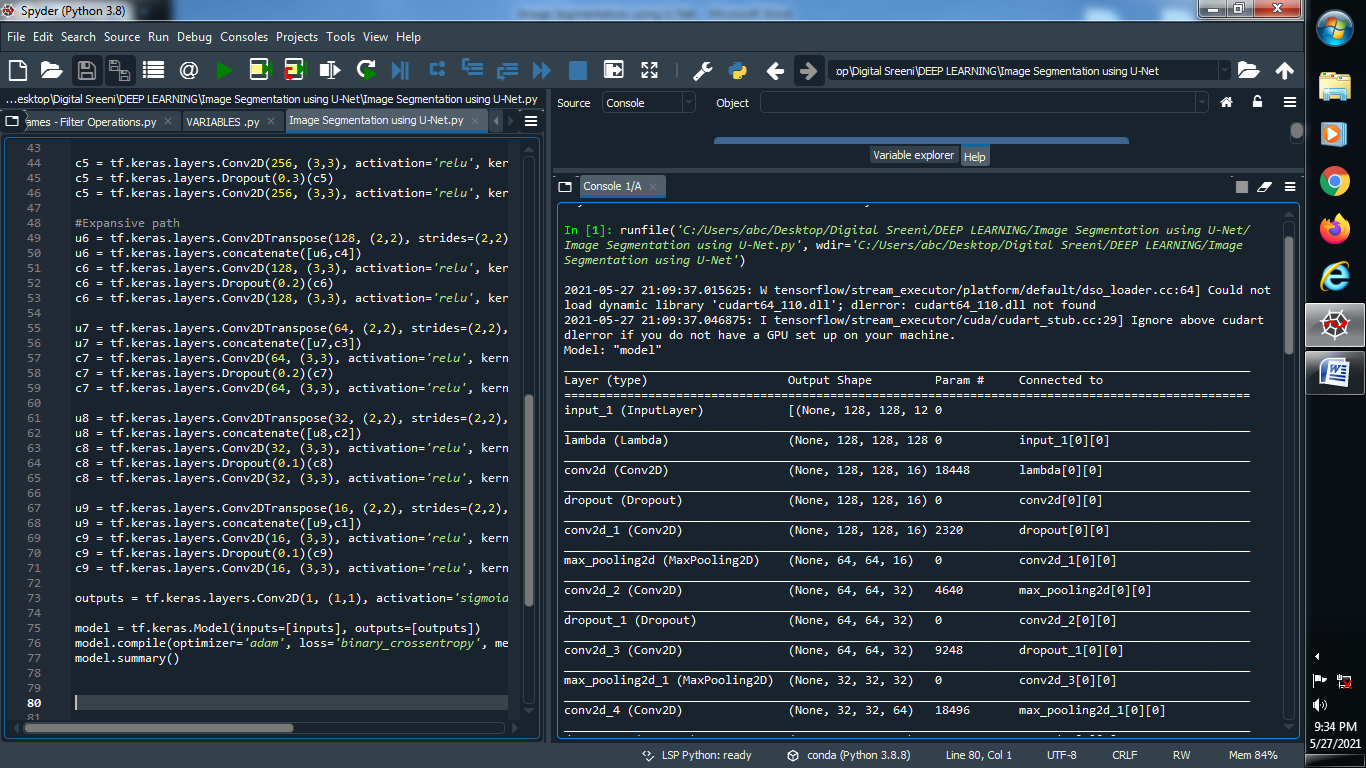
**(5) Define outputs :**

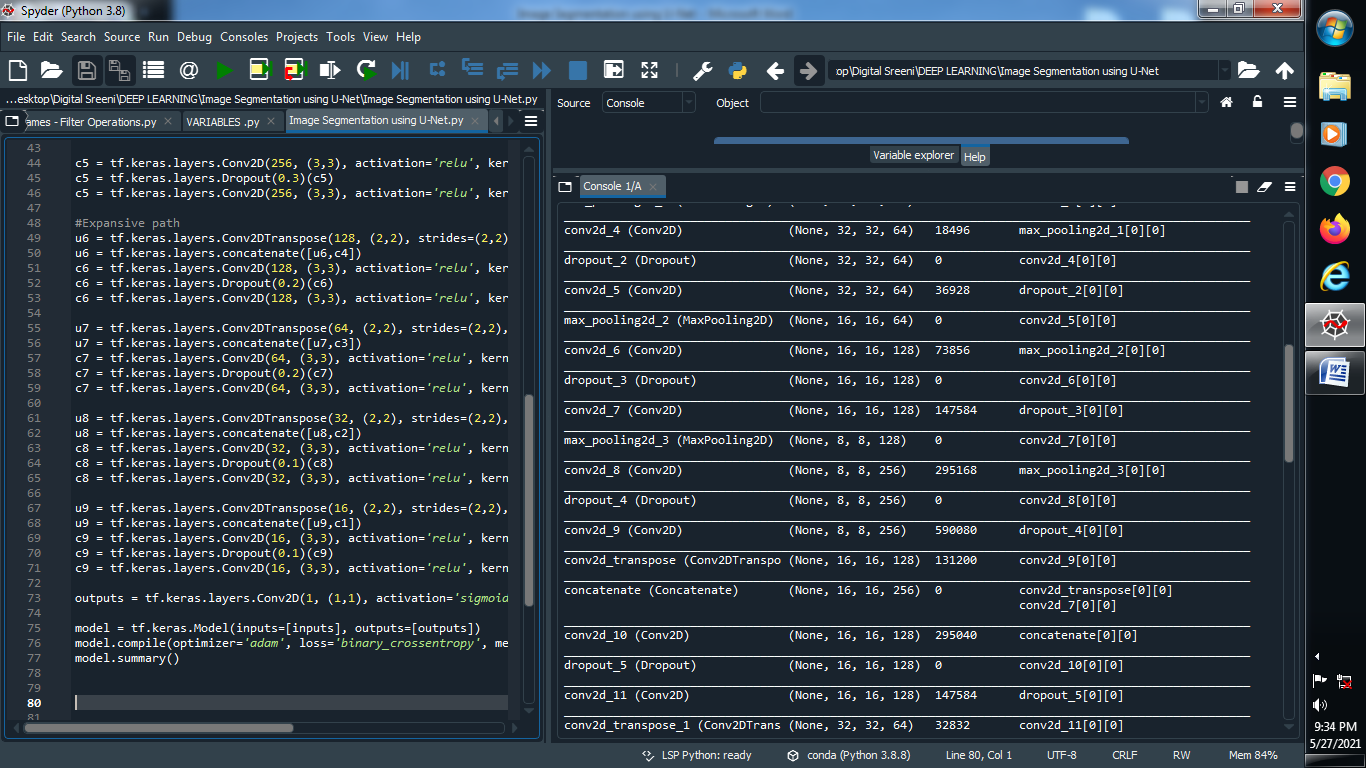
****

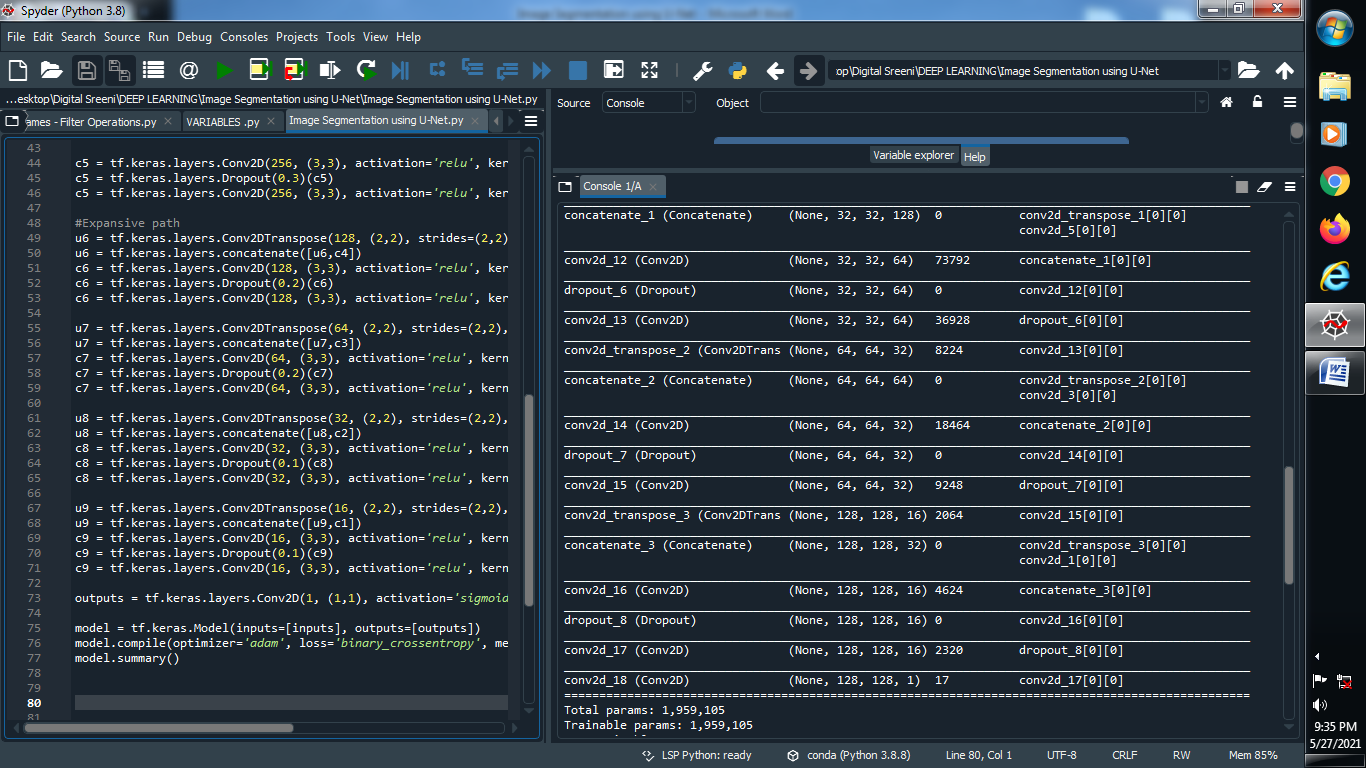
**(6) Compile the model and let’s see our output :**

****

**Output :**

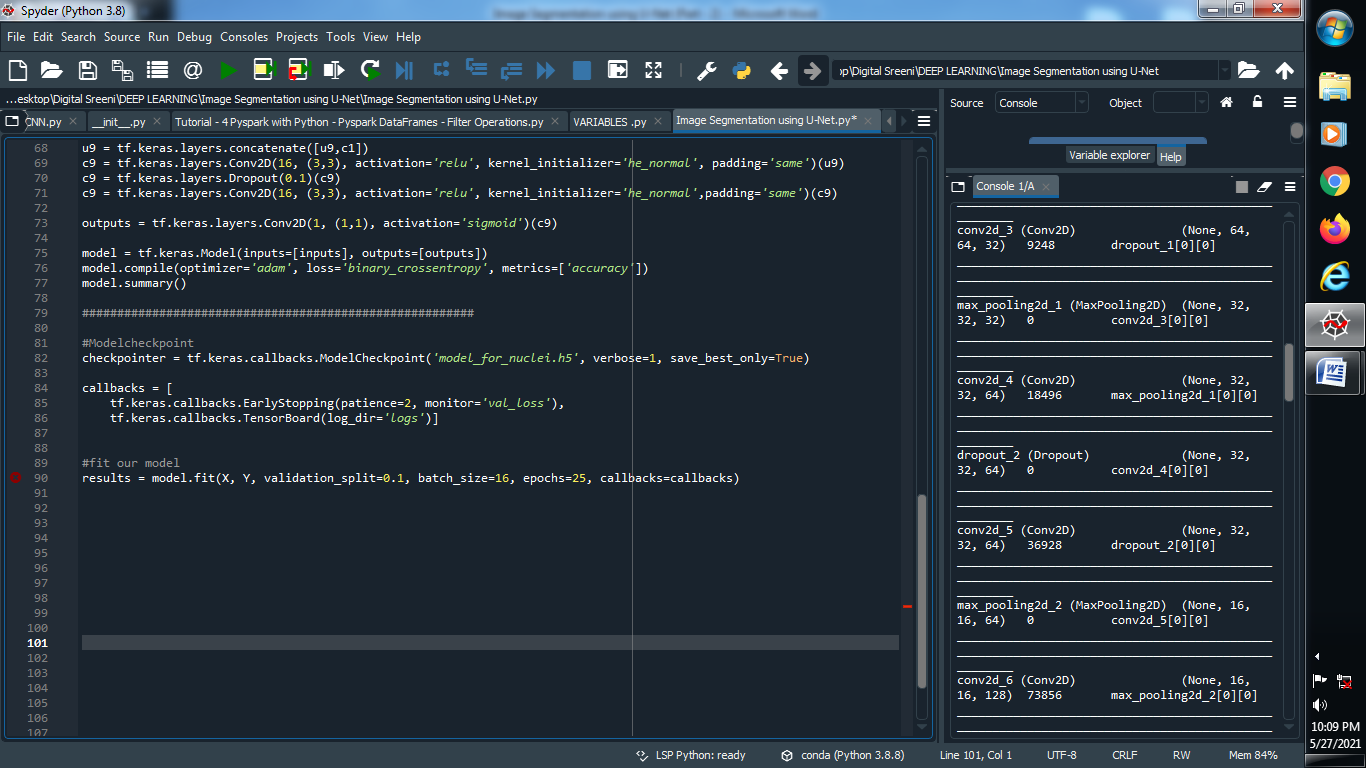
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**→ Model fitting, checkpoints, early stopping and callbacks using U-Net :**

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**#########################################################################################**

**→ Understanding the data and getting it ready for U-Net :**