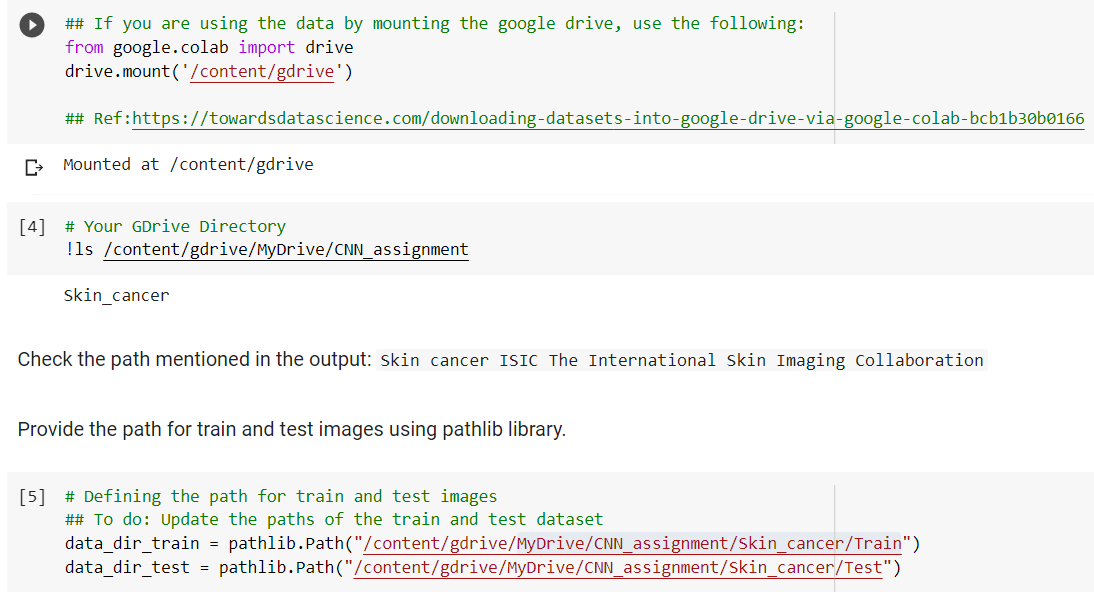
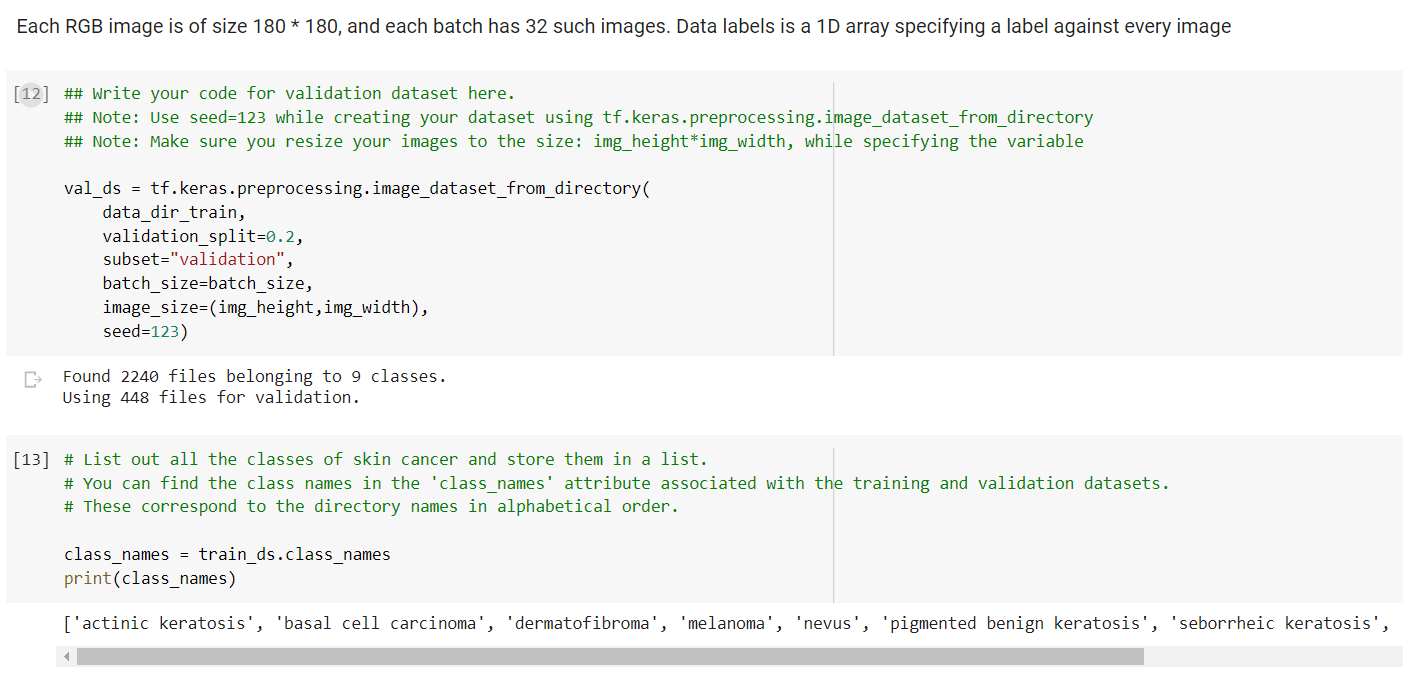
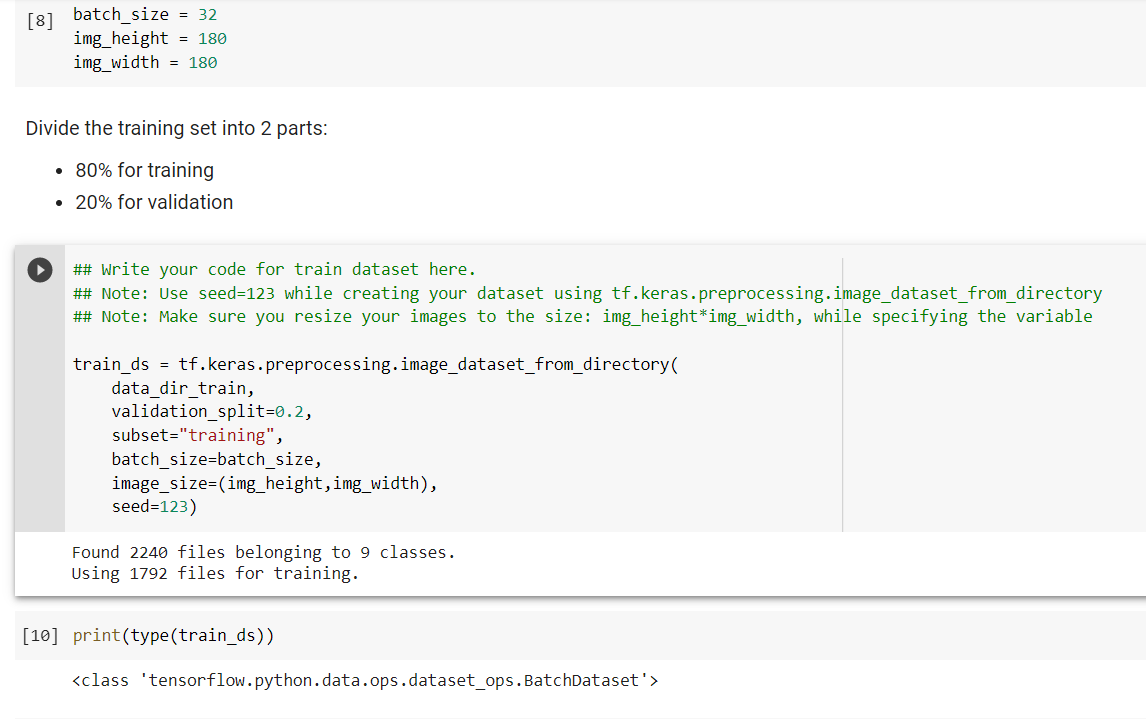
**Melanoma Detection Assignment**

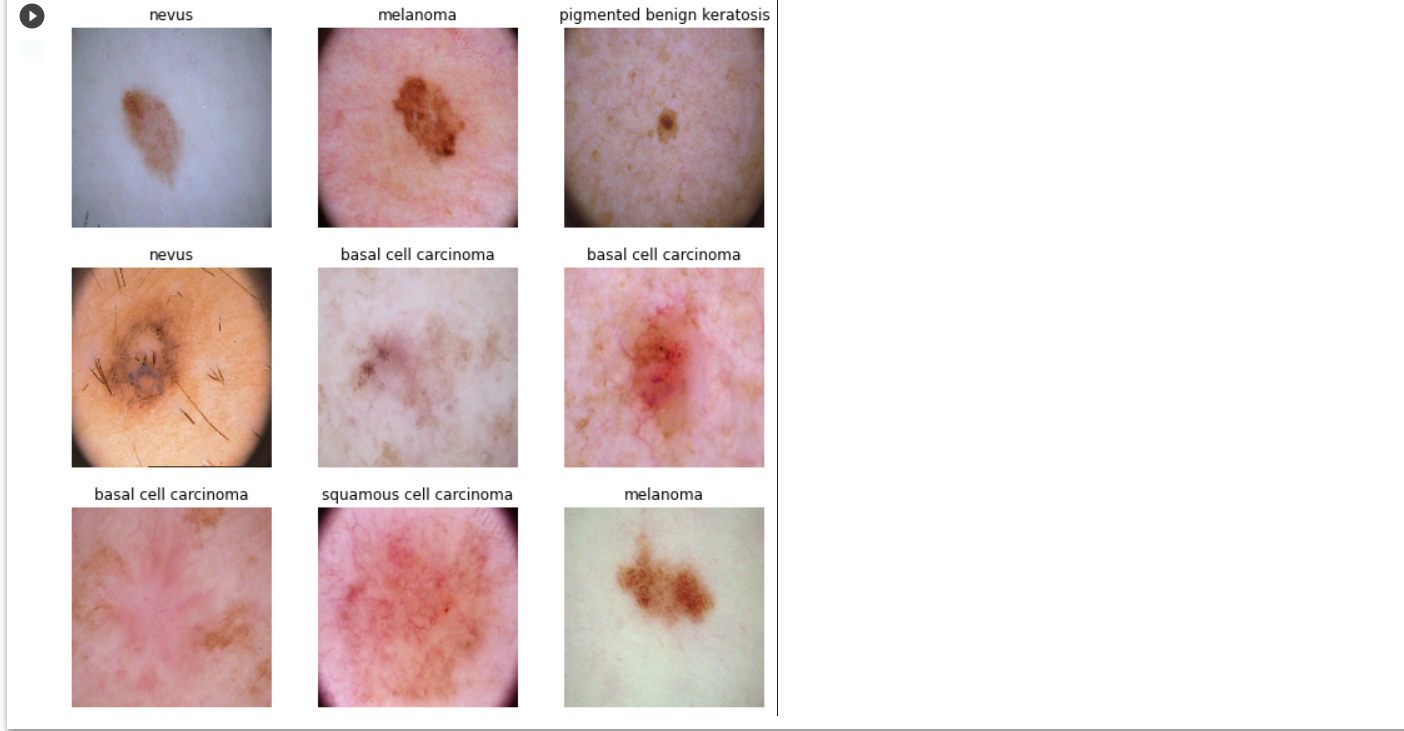
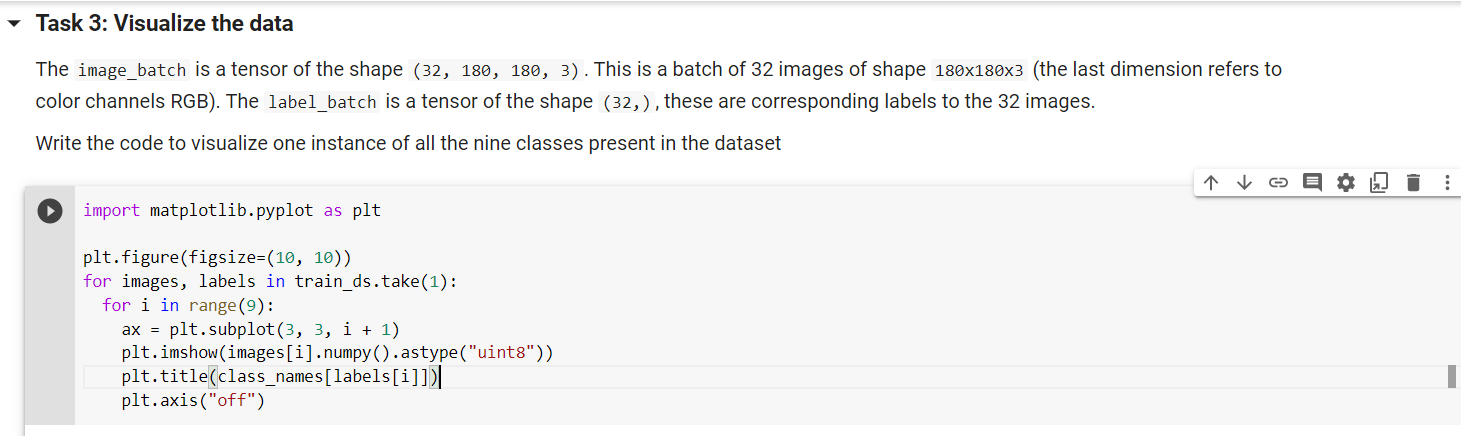
* **TASK-1: Reading the data:**



* **TASK-2: Loading the images using keras.preprocessing :**



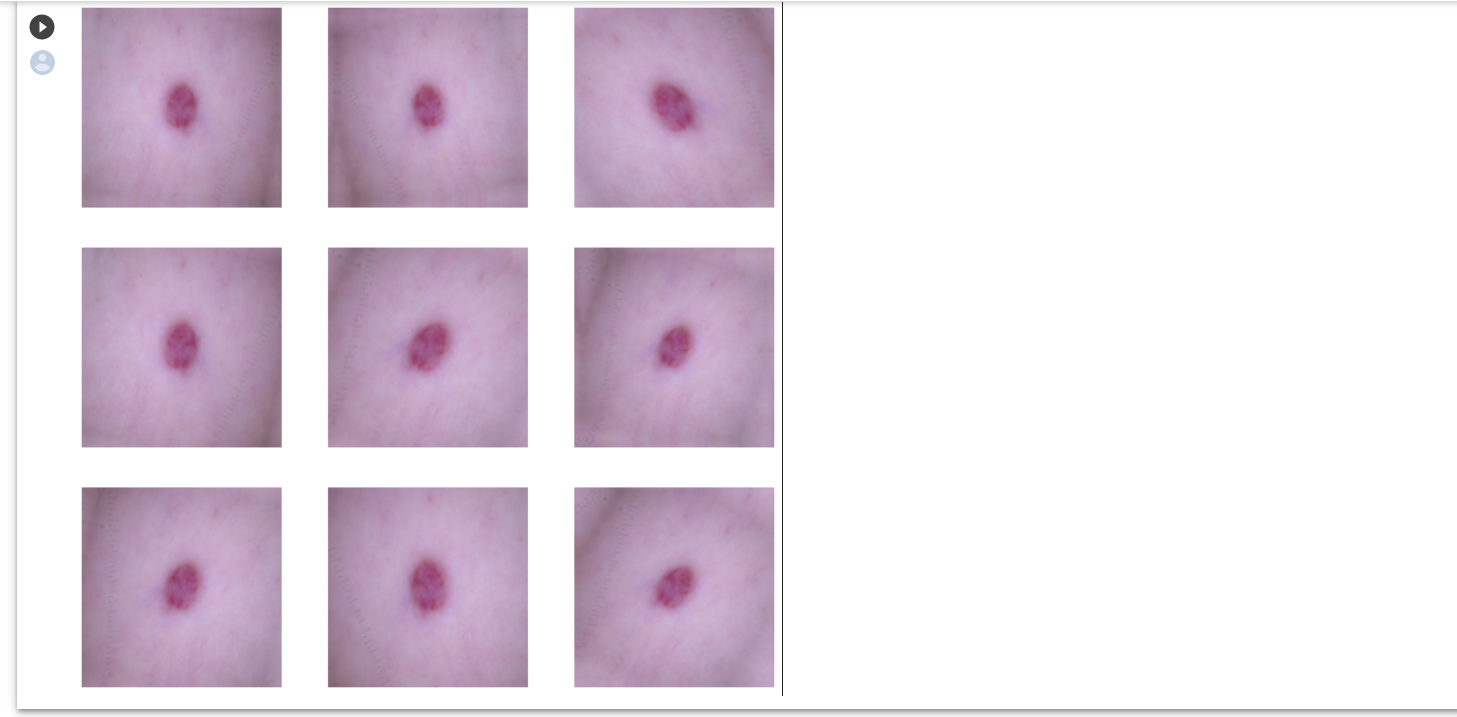
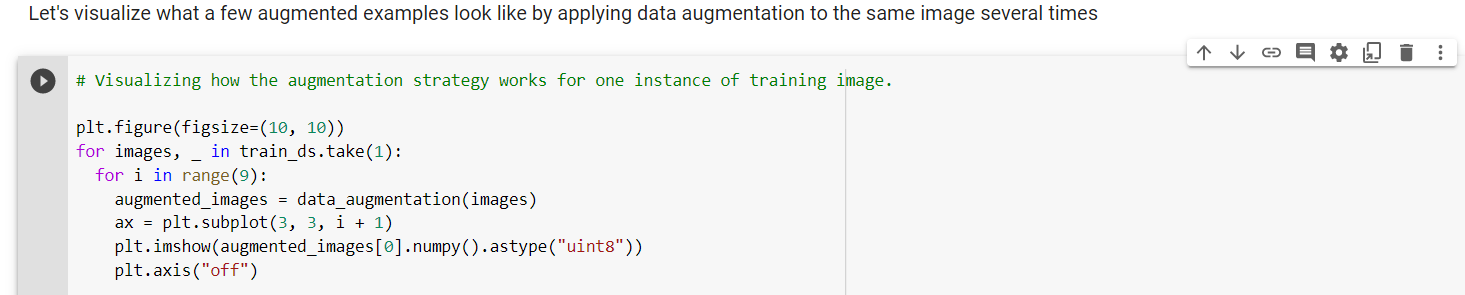
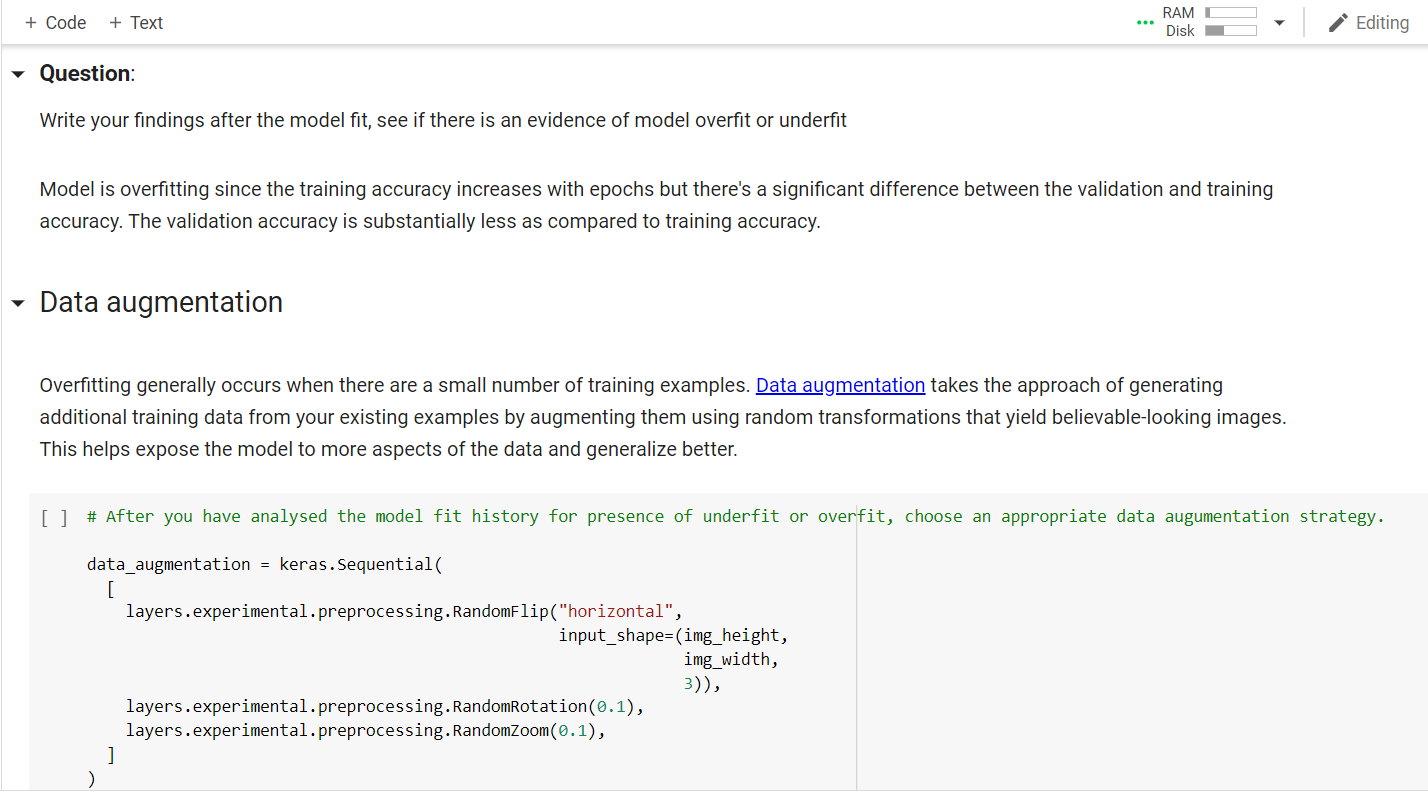
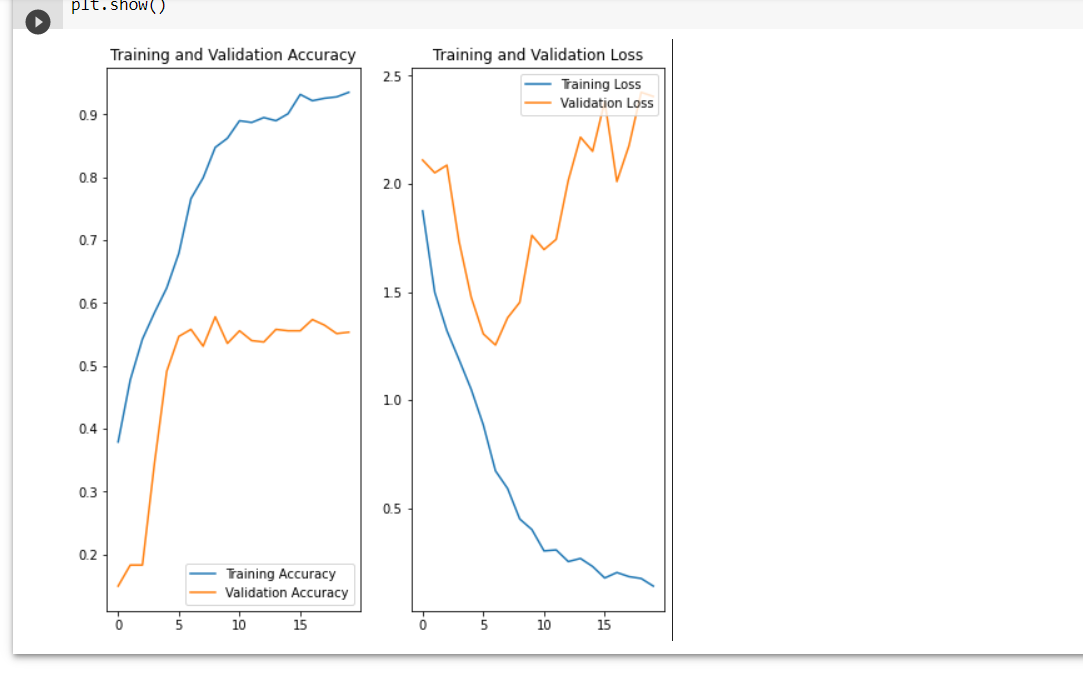
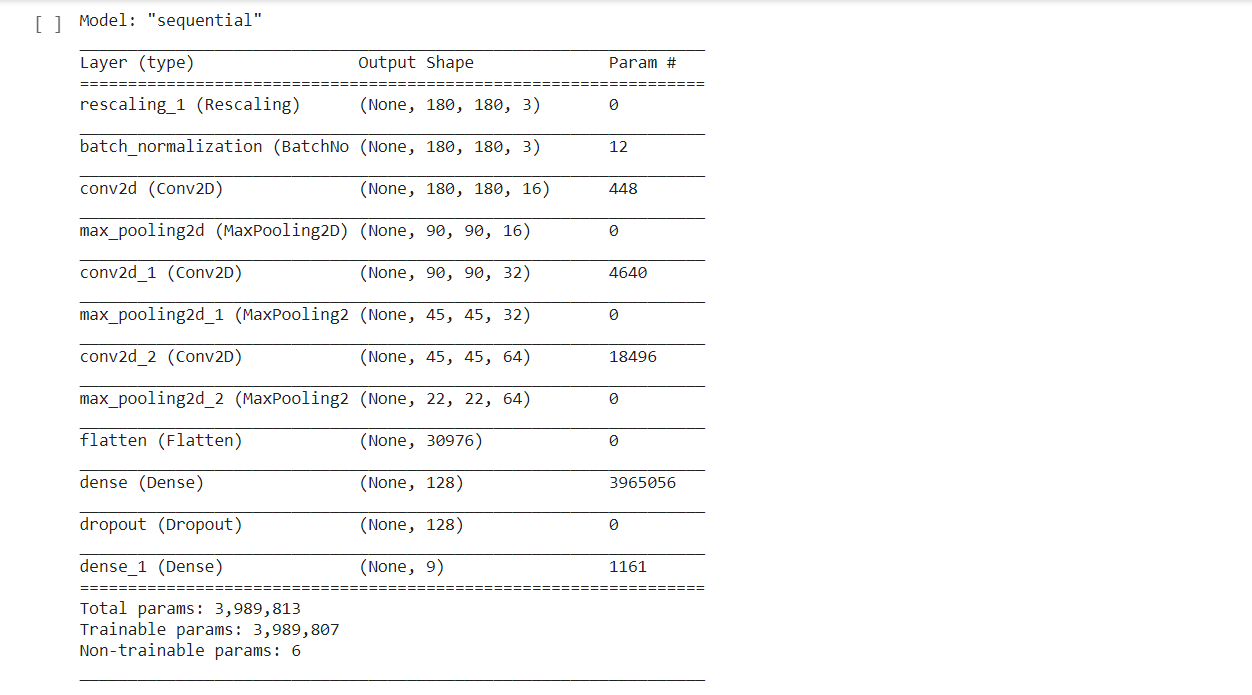
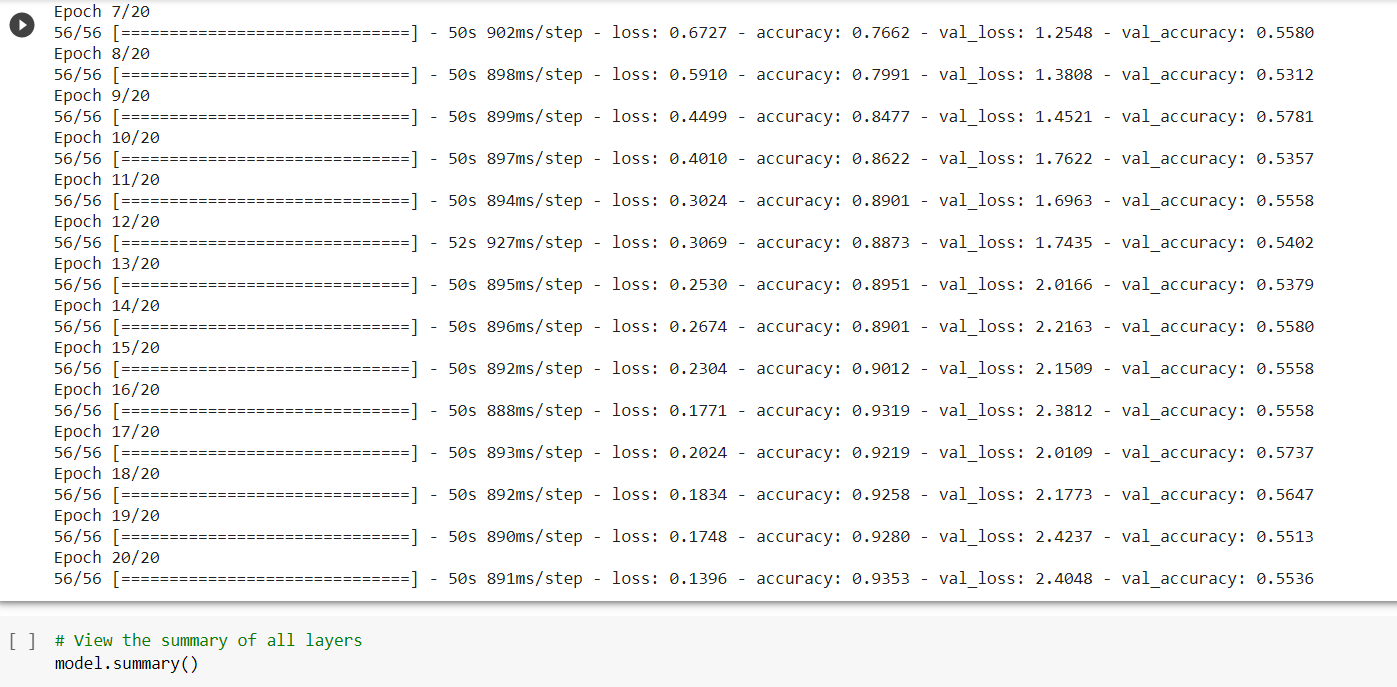
* **TASK-3: Visualize the data**



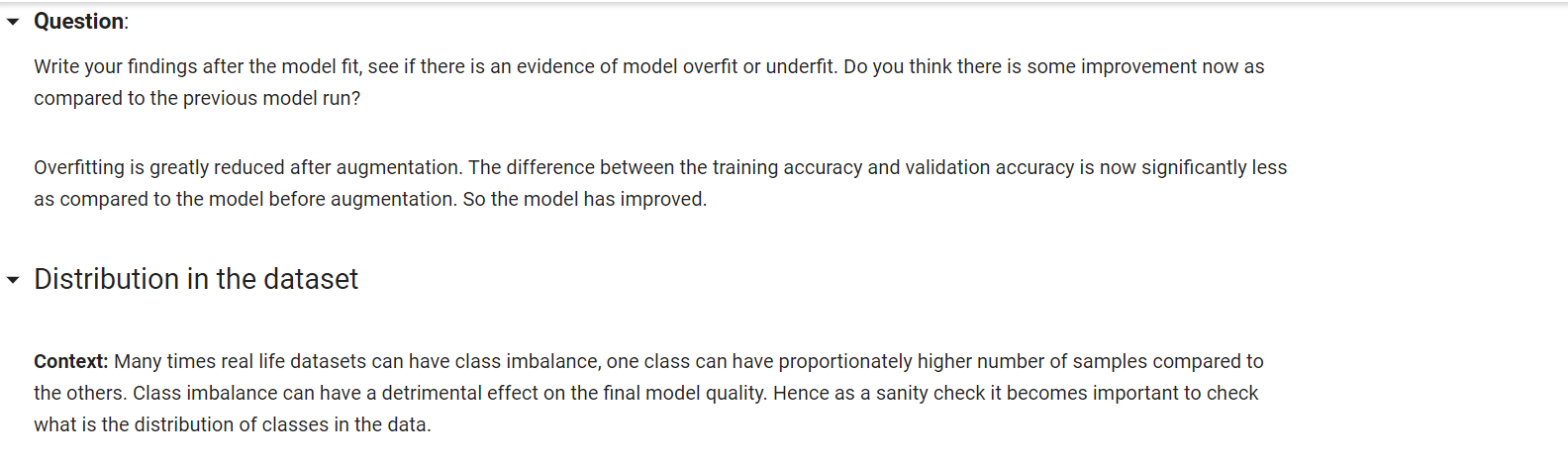
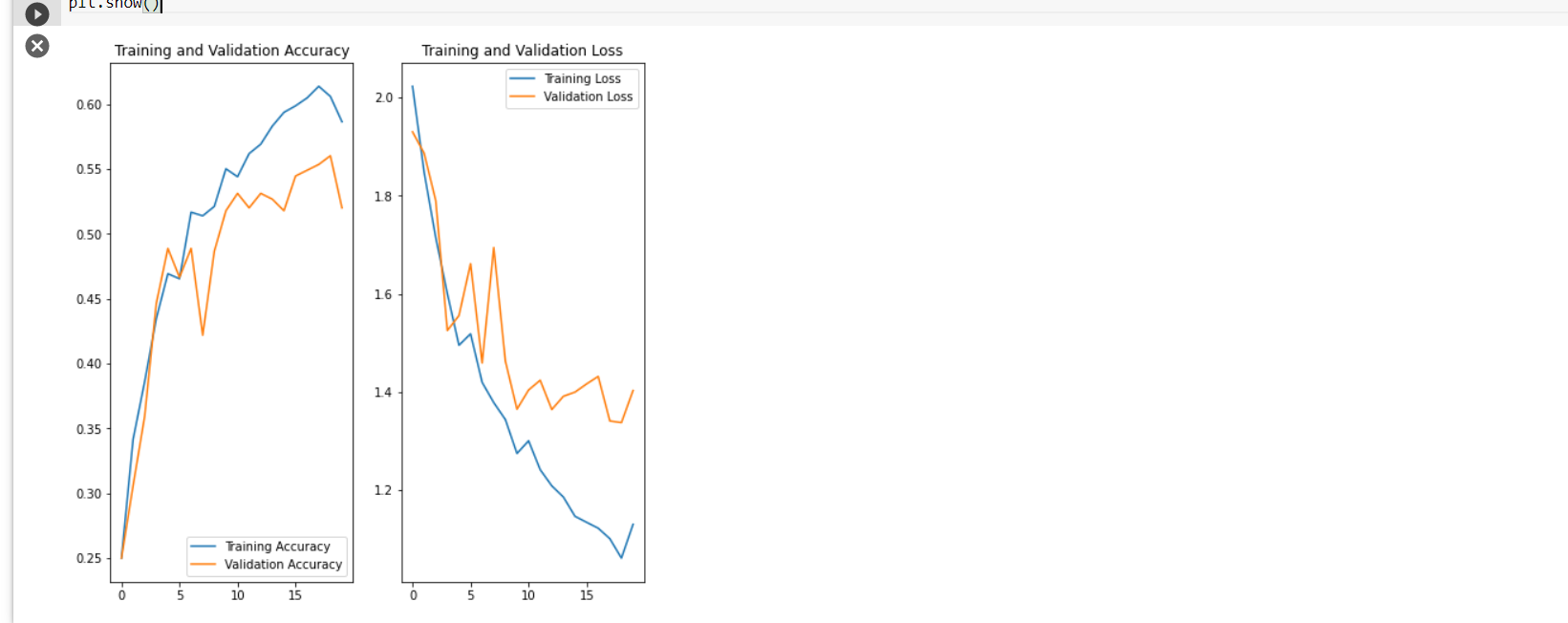
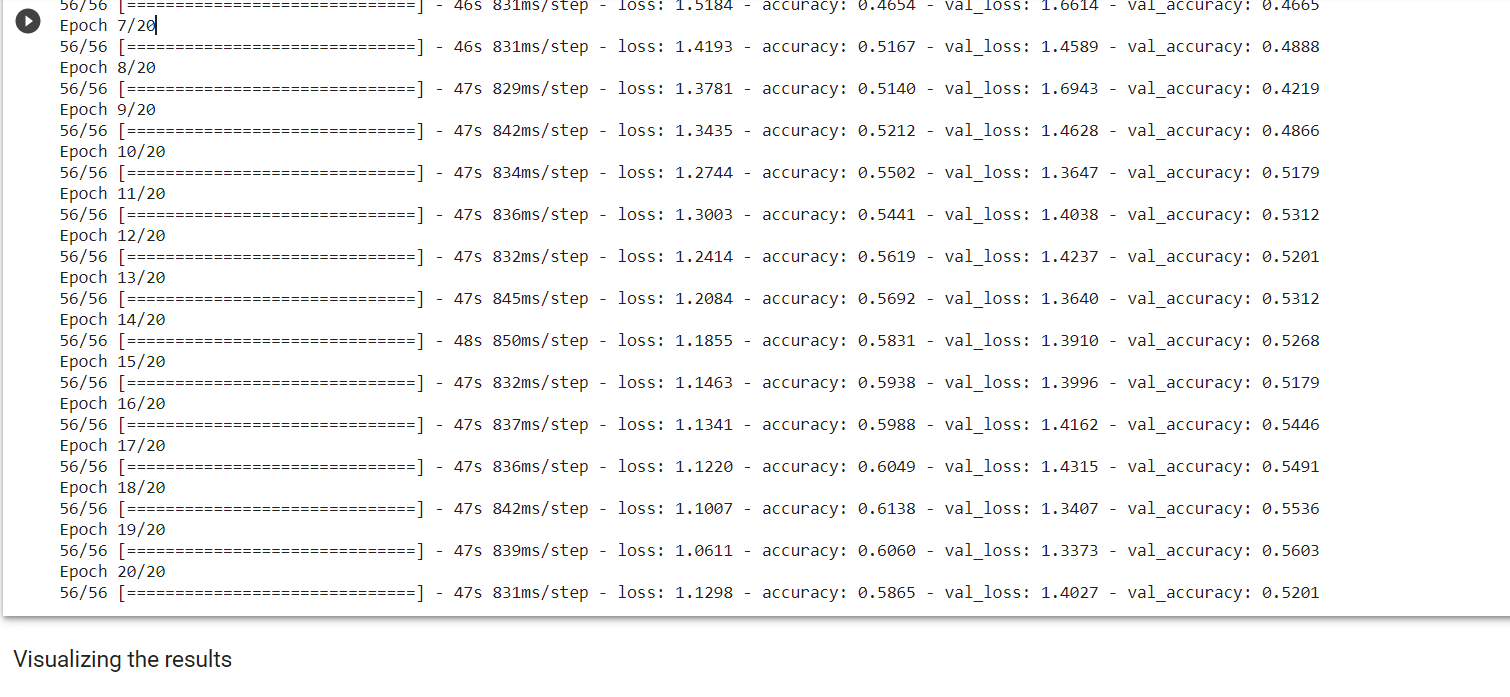
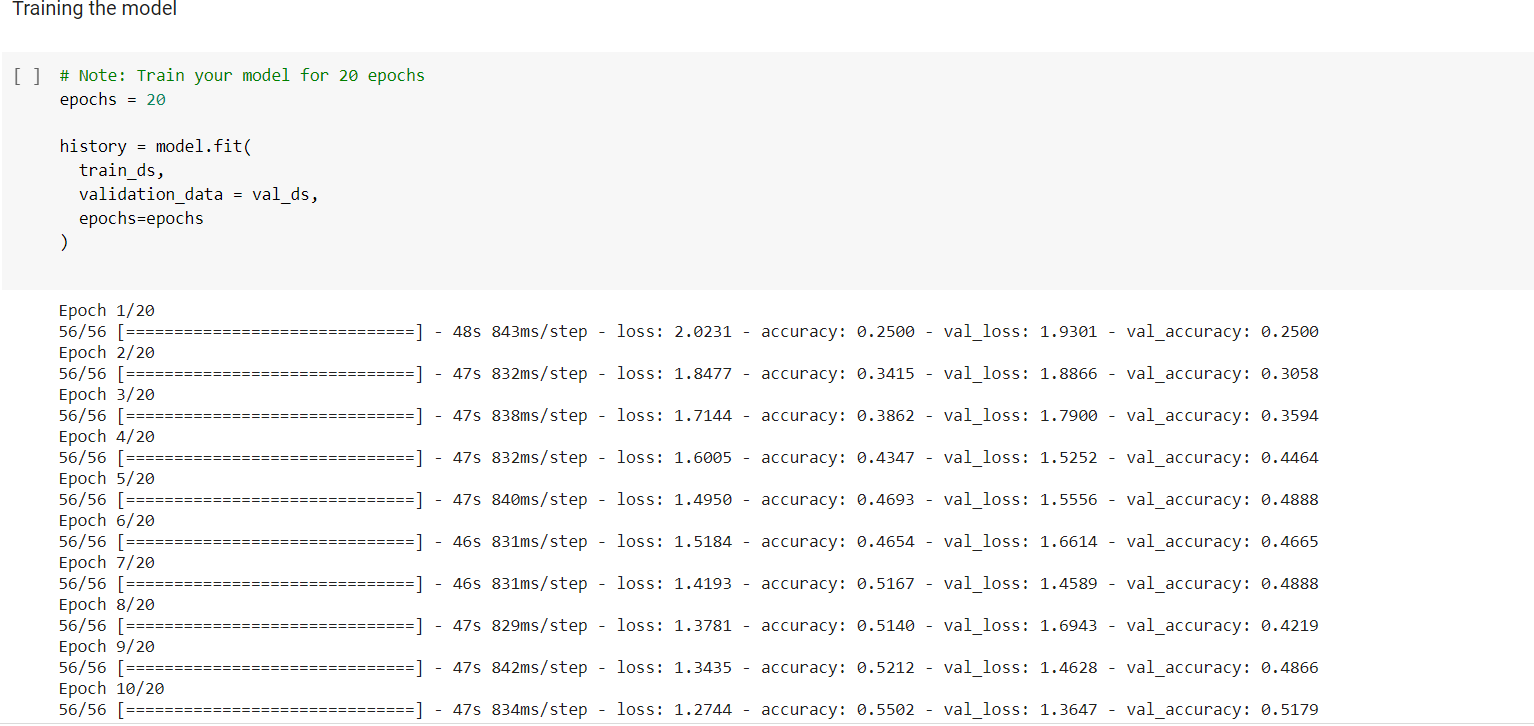
* **TASK-4: Create the model**



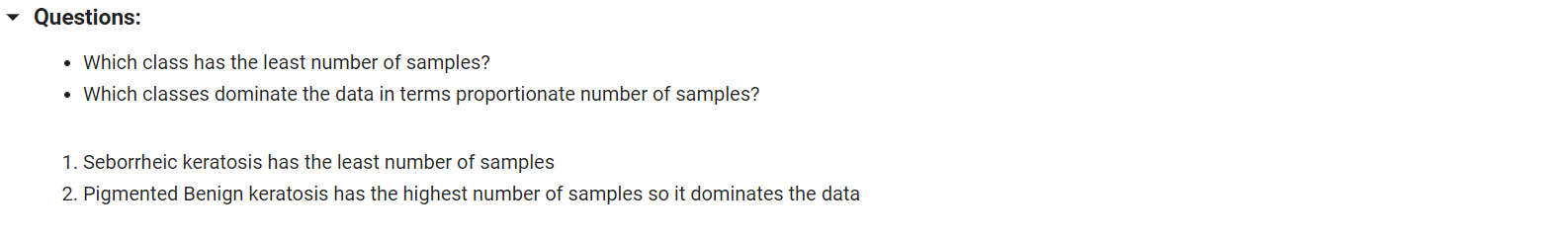
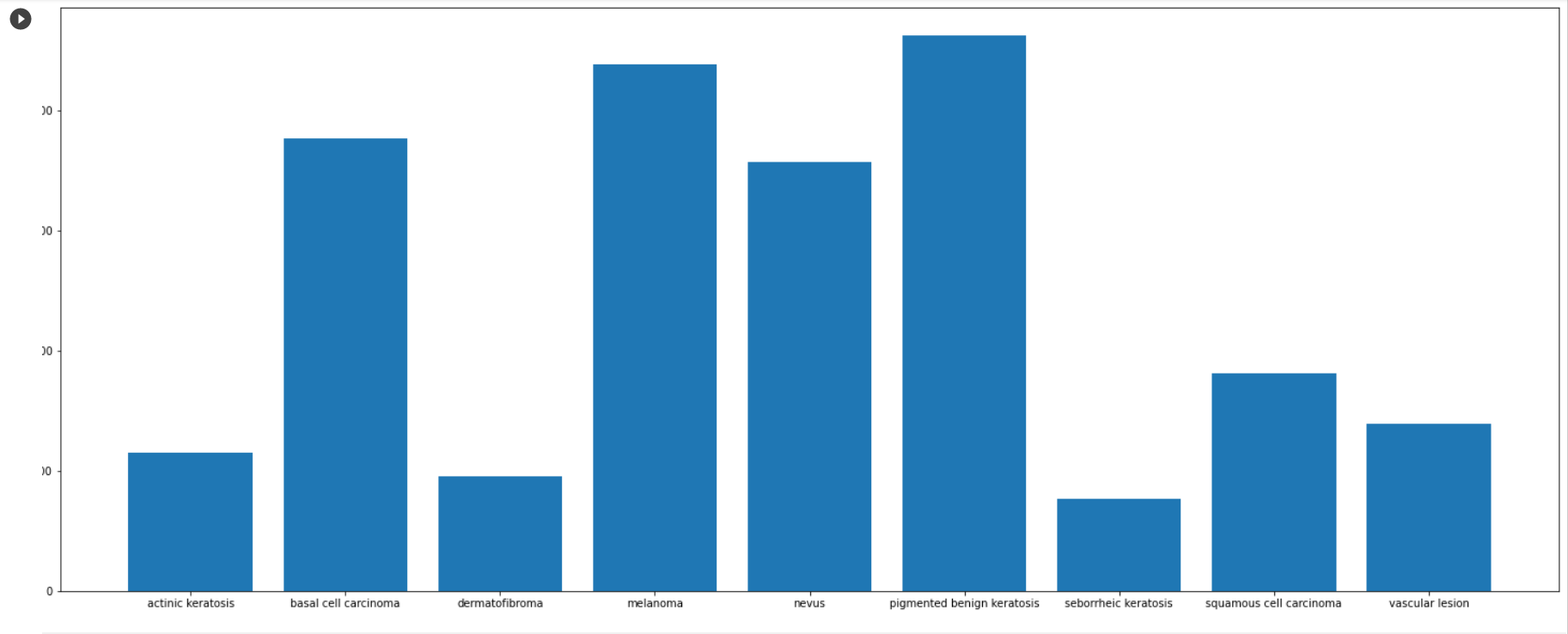
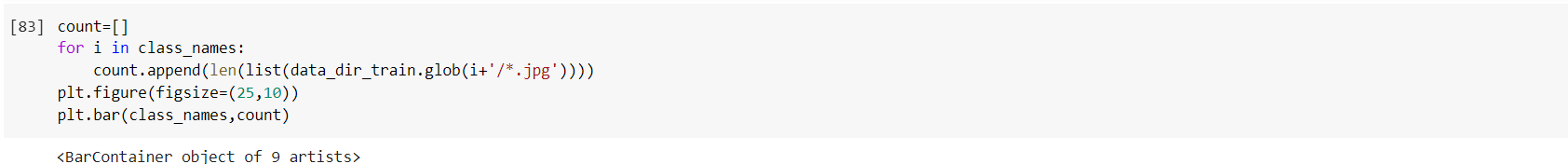
* **TASK-5: Compile the model**



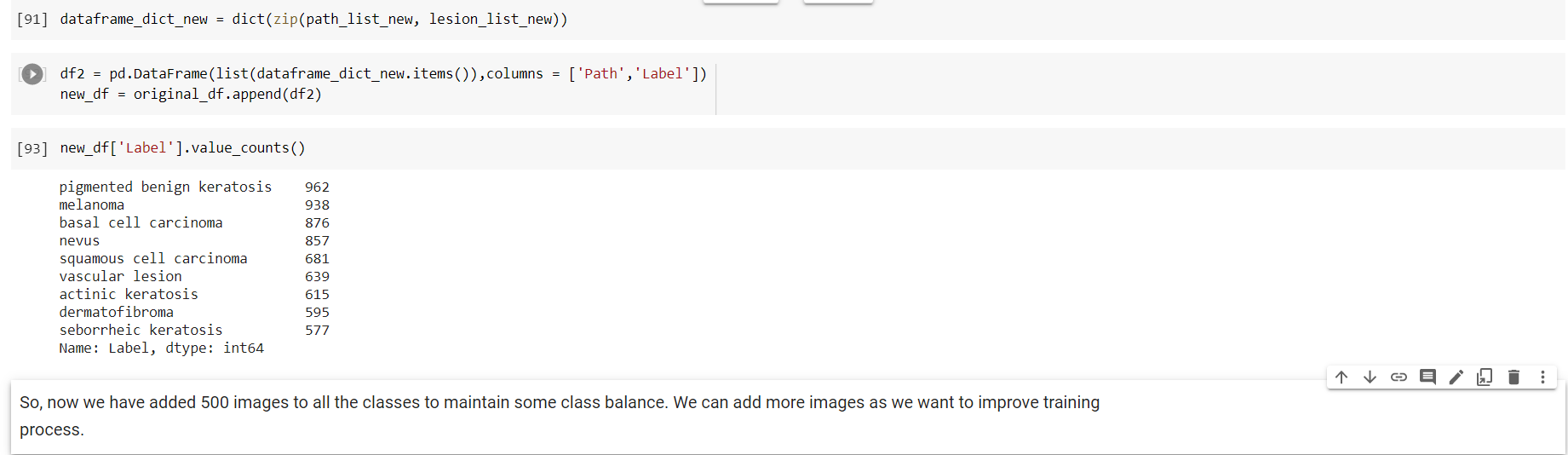
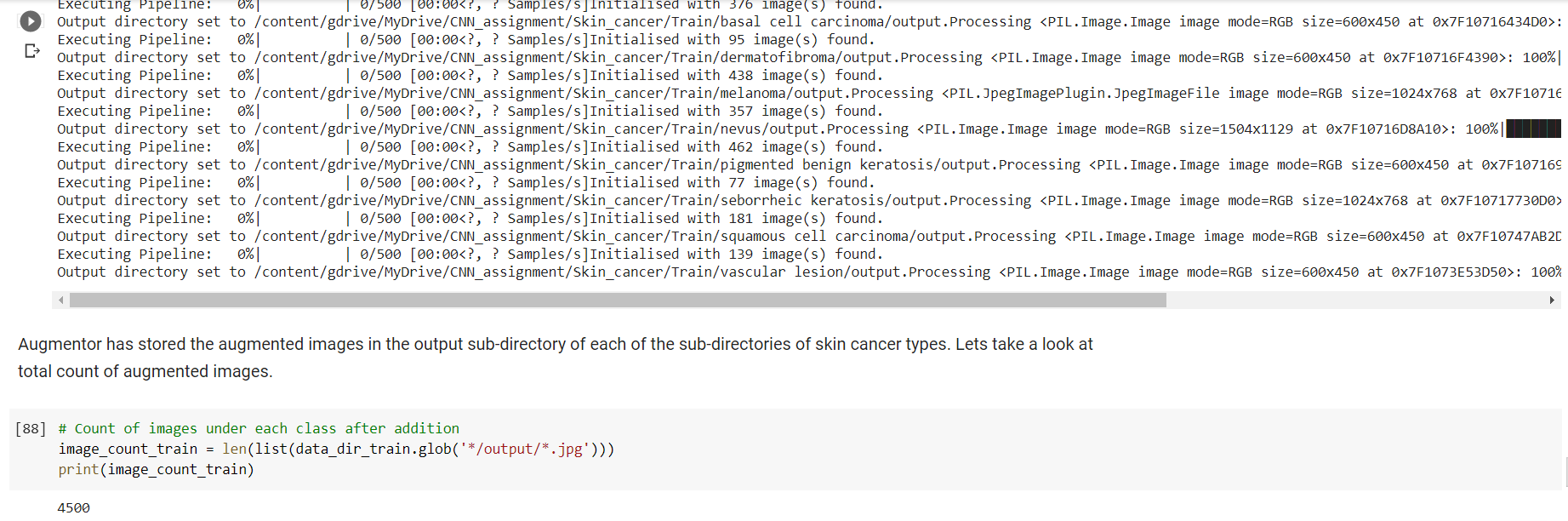
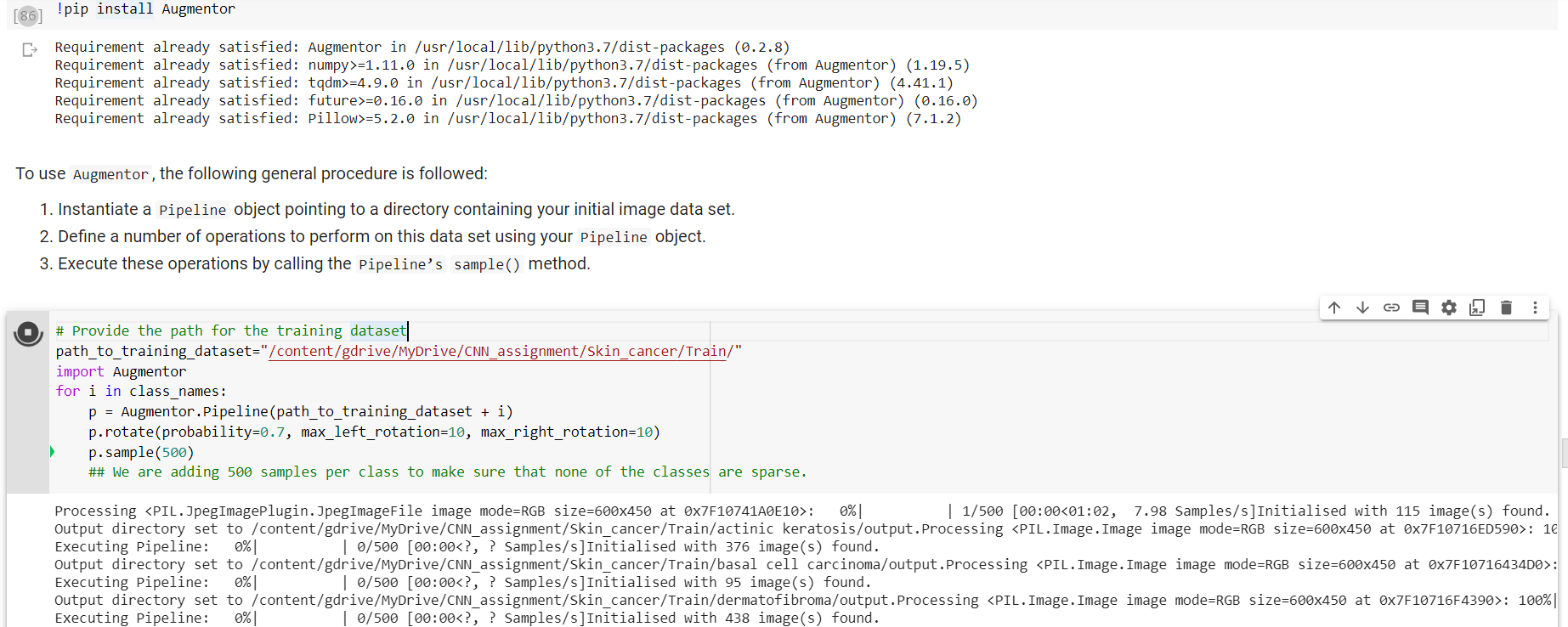
* **TASK-6: Create, compile and train the model**



* **TASK-7: Find the distribution of classes in the training dataset**

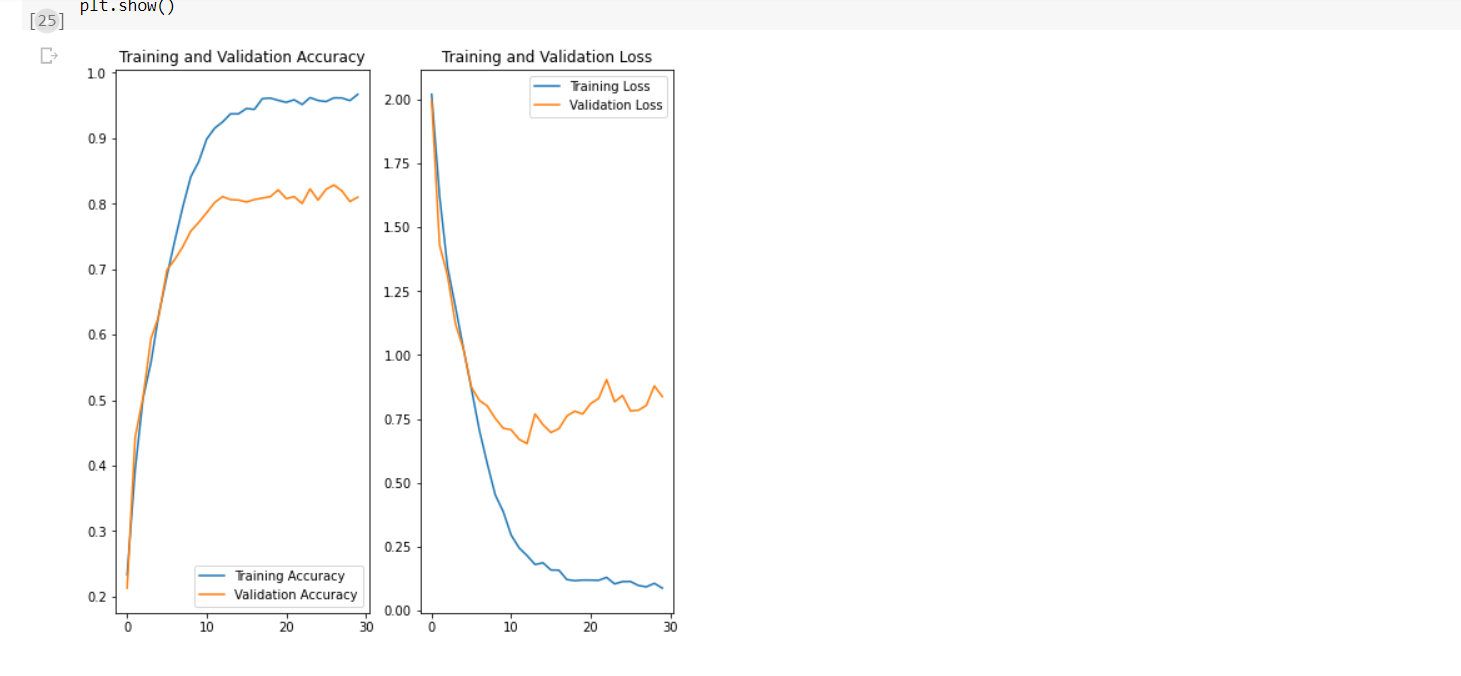
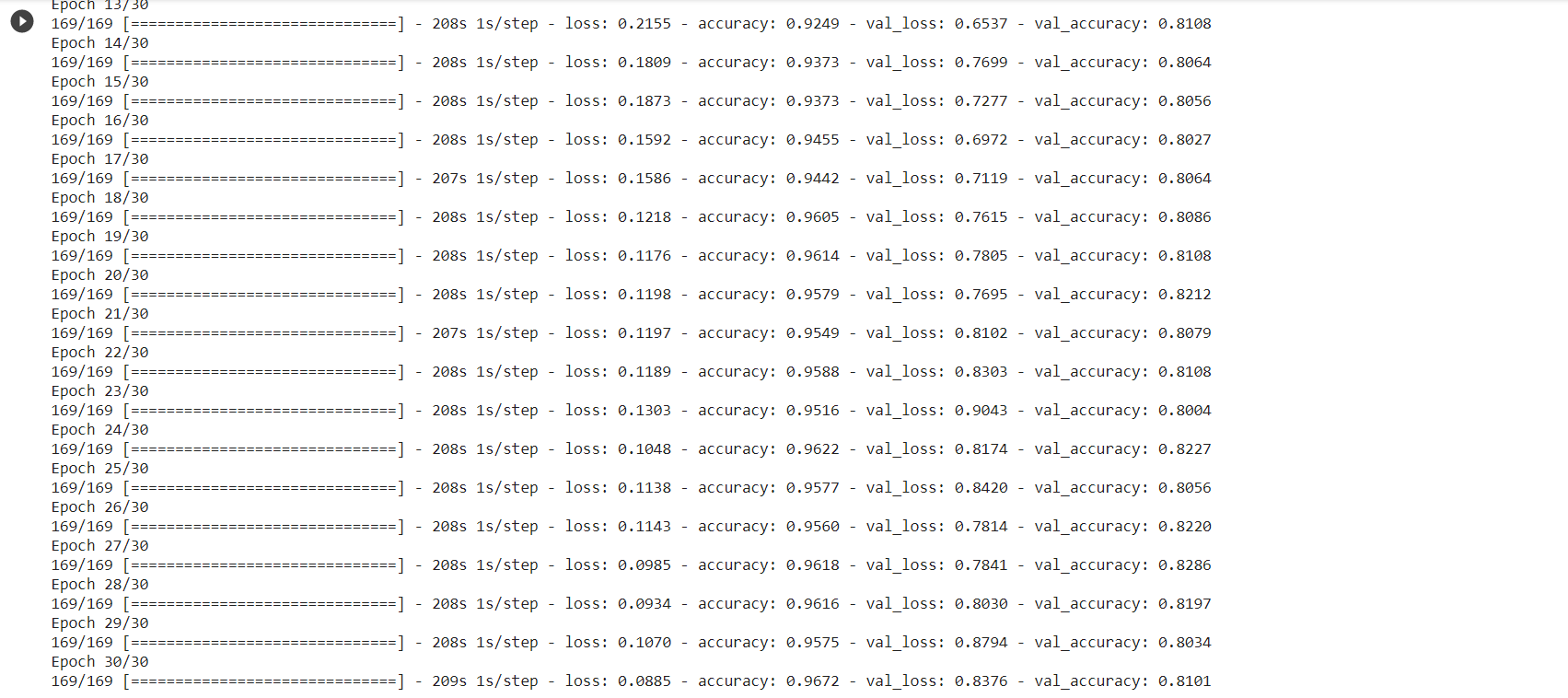
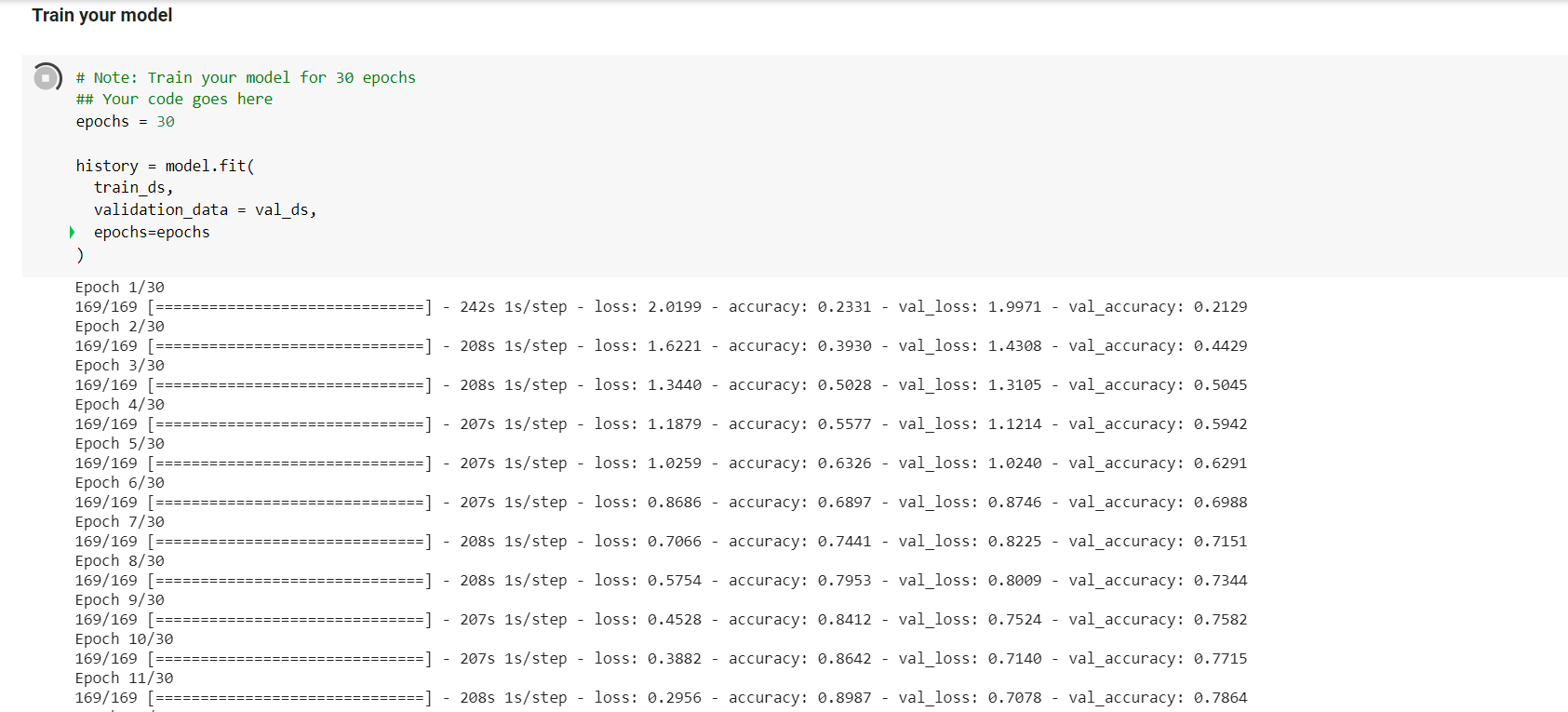


* **TASK-8: Rectifying the class imbalance**



* **TASK-9: Repeating the steps for balanced augmented data**





* **TASK-10: Analysing the results:**

