Lab Four MSDS Summer 2021

- Submit code via GitHub Classroom using Markdown Cells to **clearly** indicate which code answers which question and to answer short answer questions.
- Please put your name at the top of the Assignment as well.
- Failure to do either of the above will result in points deducted.
- 1. What is the dimension of a tensor after the **first** Basic Block in ResNet-18? Describe each change in dimension, what layer and why does it change?
- **2.** Read the Albumentations GitHub ReadMe. Pick your favorite augmentation (pick a weird one for fun). Implement it with probability p = 1 and see how it affects an image.
- **3.** Fix a reasonable suite of data augmentations for your training data. Compare the performance of three models on the animal faces dataset:
 - frozen AlexNet
 - finetuned AlexNet
 - AlexNet from scratch (set pretrained=False)