Segmentation Model:

- DeeplabV3plus with a Resnet 50 backbone (pretrained on imagenet weights)
- Image size for training 512x512
- Epochs: 3
- Mean IOU on Test data: ~73

Running the model:

- Run Dataloader.py to train the model.
- Run model_test.py to predict the masks for the test set, this will be stored into a folder called predictionimages.
- Run g_color.py to colorize the masks based on the labels. This will be stored in a folder called predictionimages-color.
- Run create_grid.py to create the grid of images and masks in a folder called final_grids.

Folder Hierarchy:

- CelebMaskHQ (main folder):
    - train_img (Training images)
    - train_label (Training masks)
    - test_img (Testing images)
    - test_label (Testing masks)
    - val_img (validation images)
    - val_label (Validation labels)
    - All other python files
- All the above given data folders and the python files come under the same directory.
- Empty folders for each of the above will be available in the submission.