* I have created a folder named “OASIS Experiments”. It contains all the codes and dataset I used for my experiments.
* Inside the folder there are two subfolders 1) Raw 2) Masks. “Raw” folder contains all the MRI scans in OASIS dataset, and “Masks” folder contains corresponding ground truth segmentation maps.
* The folder contains ‘*.py*’ files which are codes I have written for my experiments in Python language.
* The following ‘*.py*” files are necessary to replicate my experiments:
  1. mainprogram.py
  2. extractslices.py
  3. extrachpatches.py
  4. Unet\_patchwise.py
  5. displayresults.py
  6. metrics.py
  7. displayimages.py
* Except mainprogram.py, rest are functions that are called inside mainprogram.py.
* extractslices.py is used to extract and return the slices from all the MRI scans and ground truth segmentation maps. It also adds zero-padding to the slices so that the slices have dimensions of 256 × 256.
* extractpatches.py is used to split the slices obtained above into non-overlapping patches.
* Unet\_patchwise.py is used to define the architecture of the model used in the experiments.
* displayresults.py is used to calculate the Dice Similarity Coefficient (DSC) and Jaccard Index (JI), and return these results.
* In metrics.py formulas for DSC and JI are defined.
* displayimages.py is used to display the segmentation prediction results in form of image.
* In mainprogram.py the above mentioned functions are called and they results are stored in the variables used in the program.
* In case you face any problem contact me at [malik.ammar1993@gmail.com](mailto:malik.ammar1993@gmail.com) and I will try to help you in a best way I can.