README

- The zip file contains two python files, one for training the model (train.py) and one for testing the model (test.py) on an unknown dataset.
- The model is trained in the train.py file and stored as a pickle file (finalized_model.pkl). This file is fed to test.py as a trained model and a corresponding output for the meal/no-meal (1/0) data is generated.
- **[[Please ensure that both train.py and test.py are present in the same working directory along with the training and testing datasets]]**
- When train.py is run, it takes in the 10 provided datasets of Meal and No Meal Data as input and trains a model and returns the corresponding accuracy, f1 score, precision and recall of the model. A pickle file (finalized_model.pkl) is also generated and stored in the same working directory.
- **[[Before running test.py, the testing dataset must be manually hardcoded in place of testdata.csv (line 20)]]**
- When test.py is run, the pre-trained model is loaded (Ensure all the files are in the same working directory) and the predicted class labels are outputted.
- The following python packages are required for proper functioning of both programs:
    - numpy
    - pandas
    - sklearn
    - scipy
    - pickle