Q8 Readme

1. Load data
2. Apply one hot encoding on user and movie IDs
3. Store the mapping function
4. Split the data into train and test set for cross validation
5. Train a Keras model
6. Map the test data to the same encoder and do the prediction using the model.

State-of-the-art: deep neural network combines both user and item's information, maximizes the utility of information. What's more, it provides a non-linear fit, which may fit our situation perfectly and give us high accuracy.

References:

https://nipunbatra.github.io/blog/2017/recommend-keras.html
https://github.com/bradleypallen/keras-movielens-cf