**Assignment 3**

Implement and analyze the variations in various variants of gradient descent algorithm.

Package to use: ONLY Numpy

Implement linear regression by taking 2 features (like floor area and # rooms) from housing price dataset accompanied with this doc, for optimizers use the following algorithms:

1. Stochastic Gradient Descent
2. Gradient descent with Momentum]
3. RMSProp
4. Adam Optimizer

Implement each algorithm on your own. Analyze and make a report on how each algorithm helped/ improved in weight updates.