**Lab Assignment 1**

1. Write python programs to implement linear regression using Stochastic GD, Batch GD, and mini-batch GD. Capture time needed to train the predict the models and compare each approach (Use data.csv).
2. Write python programs to predict diabetes using logistic regression. Implement the algorithm using library and without using library. Find accuracy, precision, recall, and F1-score and compare both strategies (Use diabetes.csv). Assume train/test split is 70:30.