Answer of MachineLearning\_assignment :

1. A) Least Square Error
2. A) Linear regression is sensitive to outliers
3. B) Negative
4. B) Correlation
5. C) Low bias and high variance
6. B) Predictive model
7. D) Regularization
8. A) Cross validation
9. C) Sensitivity and Specificity
10. B) False
11. B) Apply PCA to project high dimensional data
12. A) We don’t have to choose the learning rate.

B) It becomes slow when number of features is very large.

C) We need to iterate

1. Regularization as word say to regularized data mean make uninform data to regularize.It help in sort over fitting problem and use to identify Learning rate.
2. There are three main regularization techniques, namely:

Ridge Regression (L2 Norm): Ridge regression is also called L2 norm or regularization. It will return best alpha & coefficients after performing 10 cross validation

Lasso (L1 Norm): it ignore unwanted related feature. Lasso will return bets alpha after max iteration