Assignment 6

Q1. Calculate/ derive the gradients used to update the parameters in cost function optimization for simple linear regression.

Q2. What does the sign of gradient say about the relationship between the parameters and cost function?

Q3. Why Mean squared error is taken as the cost function for regression problems.

Q4. What is the effect of learning rate on optimization, discuss all the cases.

Submission Steps:

1. Solve all of the given questions and make a document file of solution.
2. Submit doc file in classroom.
3. Also share this doc file on LinkedIN with your Registration id, Name and Work Description & also tag REGex Software.

Note: Don't copy any solution from Internet. Submit your original solution, it will help you to implement your learning.