Assignment 8

Q1. Implement gradient descent (for simple linear regression) from scratch.

Q2. **Kaggle Competition:**

Introduction:

You have some experience with R or Python and machine learning basics. This is a perfect competition for data science students who have completed an online course in machine learning and are looking to expand their skill set before trying a featured competition.

Description:

Ask a home buyer to describe their dream house, and they probably won't begin with the height of the basement ceiling or the proximity to an east-west railroad. But this playground competition's dataset proves that much more influences price negotiations than the number of bedrooms or a white-picket fence.

With 79 explanatory variables describing (almost) every aspect of residential homes in Ames, Iowa, this competition challenges you to predict the final price of each home.

Kaggle Competition Link: https://www.kaggle.com/c/house-prices-advanced-regression-techniques

Submission Steps:

1. Solve all of the given questions and make a document/Notebook file of solution.
2. Submit Notebook file in classroom.
3. Also Make a Video by showing your working & output and post it 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.