Linear Regression Quiz

1. Linear regression is used to fit straight lines as target attributes
   a. True
   b. False
2. Squared Loss value computed for linear regression at a given weight can never be negative
   a. True
   b. False
3. Stochastic Gradient Descent is the optimization algorithm used by AWS
   a. True
   b. False
4. In Stochastic Gradient Descent, there is no difference if training data is ordered or not
   a. True
   b. False
5. Learning Rate parameter dictates the magnitude of feature weight adjustment
   a. True
   b. False

Answers

1. False - Model can be trained to fit complex shapes by providing relevant features
2. True - Squared loss value is always positive
3. True – SGD is an optimization technique for minimizing loss
4. False - Training data needs to be shuffled. if training data is ordered, then SGD may not find optimal solution.
5. True