1- A
2- A
3- B
4- B
5- A
6- B
7- D
8- B
9- A
10- A
11- A
12- A,C

13- Regularization is one of the most important concepts of machine learning. It is a technique to prevent the model from overfitting by adding extra information to it. It is a technique which is used to reduce the errors and also it is done to avoid overlifting. L1 and L2 are commonly used regularization. regularize means to make things regular or acceptable. This is a form of regression, that constrains/shrinks the coefficient, estimates towards zero.

14- There are three main regularization techniques, namely: **Ridge Regression Lasso (L1 Norm) Dropout**. **Ridge regression** is a regularization technique, which is used to reduce the complexity of the model. It is also called as L2 regularization. In this technique, the cost function is altered by adding the penalty term to it. The amount of bias added to the model is called Ridge Regression penalty.

15- The error term is **the difference between the expected price at a particular time and the price that was actually observed**. Linear regression most often uses **mean-square error (MSE)** to calculate the error of the model. MSE is calculated by: measuring the distance of the observed y-values from the predicted y-values at each value of x; squaring each of these distances; calculating the mean of each of the squared distances.