Answer-15: This is below equation we use in linear regression.

$$Y = a + bX + e$$

Where Y is an dependent output variable, X is an independent input variable. (b) is an coefficient value or slope value. (a) is an intercept value. And e is an error present. Error term is the sum of the squared difference between the actual output and predicted output (Y-Y^)square.

Output Y is depend on error For Example:- If student given an exam if he does less error getting higher marks and if he does high errors results low marks. Same is in Data set model of error are less then a+bX part is working well and getting well output. If errors are high it means data set is not well learned.

Ques 13 & 14 I am not aware of it not trained on it.