**Some important points about Linear Regression:**

* A process by which we estimate the value of the dependent variable on the basis of one or more independent variables is called **Regression.**
* The method of least squares calculates the square of deviations of the points from the line chosen using Linear Regression. Our target is that this error should be **minimum.**
* All data points falling along a straight line is called **Linear Relationship.**
* In simple linear regression, the numbers of unknown constants are **two.**
* In a simple regression equation, the numbers of variables involved are **two.**
* If the value of any regression coefficient is zero, then two variables are **independent.**
* The straight line graph of the linear equation Y = a + bX, the slope will be upward if **b > 0.**
* The straight line graph of the linear equation Y = a + bX, the slope will be downward If **b < 0.**