**What is ML?**

* ML stands for machine learning. It is a sub-branch of Artificial Intelligence, which deals with generating algorithms and making predictions for machines or computers to solve problems in a human-like manner.
* There are three main types of ML. They are

1. Supervised learning – Classification and Regression
2. Unsupervised learning – Clustering and Analysis
3. Reinforcement learning

**What is Supervised ML algo?**

* Supervised Machine learning is one of the main types of ML. The Supervised ML works with the Labeled data . It takes input and output from the user and learns patterns from it to work with new data.
* There are two types in Supervised ML. They are

1. Classification
2. Regression

**What is Regression and Classification?**

* **Regression –** Regression is a type of supervised learning used to predict a continuous numeric value based on input features. It predicts continuous values and the output is a real number.

Ex : Predicting House prices, temperatures, etc….

* **Classification –** Classification is a type of supervised learning used to assign input data into predefined categories or classes. It predicts categorical labels and the output is a class.

Ex : Classifying Emails as spam vs not spam, Movie reviews as positive and negative, etc….