**WEEK- 1 ASSESSMENT**

1)What is Machine Learning?

* It is a branch of Artificial Intelligence ,where a machine learns from the data to make right decisions or accurate predictions.

Types of Machine Learning System

* Supervised Learning
* Unsupervised Learning
* Reinforcement Learning

2)What is a Supervised Learning Algorithm?

* Supervised Learning Algorithms can make predictions after seeing lots of data with the labeled data and then discovering the connections between the elements in the data that produce the correct answers. This is like a student learning new material by studying old exams that contain both questions and answers. Once the student has trained on enough old exams, the student is well prepared to take a new exam. These ML systems are "supervised" in the sense that a human gives the ML system data with the known correct labeled data.

Two of the most common use cases for supervised learning are:

* Regression
* Classification

3) What is Regression?

* A Regression is a type of model that predicts a numeric value. For example, a weather model that predicts the amount of rain, in inches or millimeters, is a regression.

4) What is Classification?

* A Classification is a type of model that predicts a categorical data like “good” or “bad”

And in this project we will be taking the category as “rice”,”wheat”,etc