**Week 1 Assignment (EDUNET INTERNSHIP)**

1. **What is ML (Machine Learning)?**

Ans : Machine Learning refers to One of the fields of Artificial Intelligence is concerned with the ability of a computer to learn from data and automatically make decisions and predictions without being programmed for each step. It recognizes the patterns in data and applies those patterns to predict future outcomes on new data.

1. **What is Supervised ML Algorithm?**

Ans : One kind of machine learning where the model is trained on a dataset that includes a label is known as Supervised machine learning: Each training session consists of an example which has an output (label). The learning algorithm attempts to adjust the model to produce the correct output and is later employed to provide outputs for fresh data.

**Examples:**

1. Classification (ex : where emails are scanned for spam)

2. Regression (ex : value estimation for houses)

1. What is Regression and Classification?
2. **Regression:** Assigns a value from a given range.

**Example:** Assigning values for temperature or pricing forecasting.

1. **Classification:** Assigns a specific label/category.

**Example:** Designating emails as either spam or not spam.

**Submitted By :**

Harsh Raj

**Submitted to :**

Chaitanya Sir