

## Assignment-2

1. What is the difference between Linear and Non-Linear learning models? Provide examples.
2. What are Multi-Class and Multi-Label classification in supervised learning?
3. What is the Naïve Bayes Classifier, and why is it efficient in the learning domain?
4. What are Decision Trees, and how are they used in supervised learning?
5. What is Multilinear Regression, and how does it expand on Linear Regression?
6. What is CART, and how does it differ from ID3 in supervised learning?
7. What are Error Bounds, and how are they used in the learning domain?

**Date:23/01/2025**

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**Note: Submit the assignment on or before 10/02/2025.**