1. What is Machine Learning
2. What is Supervised Learning, Unsupervised Learning, Reinforcement Learning
3. Features, Labels, and Dataset Splitting (Training, Validation, Testing)
4. Handling Missing Data
5. Data Normalization/Standardization
6. Encoding Categorical Data (One-Hot Encoding, Label Encoding)
7. Feature Selection and Engineering
8. Data Augmentation
9. Supervised Learning
10. Regression
    a. Linear Regression
    b. Gradient descent
    c. Logistic regression
    d. Polynomial Regression
    e. Ridge and Lasso Regression
11. Classification
    a. Logistic Regression
    b. Decision Trees- ID3, CART, C4.5
    c. Random Forest
    d. Support Vector Machines (SVMs)
    e. Naive Bayes
    f. KNN

Unsupervised Learning

- Clustering
    - K-Means
    - Hierarchical Clustering
    - DBSCAN
- Dimensionality Reduction
    - Principal Component Analysis (PCA)
    - t-SNE
- Anomaly Detection

12. K medoids, single linkage, complete linkage