1. **Loading and Exploring Data**
2. **Build and Train Model 1 (Simple CNN)**
    a. Split into train/test sets
    b. Build CNN model (ReLU activation, softmax output)
    c. Train the model with early stopping
3. **Build and Train Model 2 (Improved CNN)**
    a. Use data augmentation to expand variability
    b. Use higher image resolution to capture more details
    c. Add regularization (L2)
    d. Train model the same way
4. **Evaluate Model Performances**
    a. Evaluate models on test set
    b. Compute accuracy, precision, recall, F1-score, loss, ROC-AUC
    c. Generate confusion matrix
    d. Compare results (bar chart/tables)