1. Using the Car Evaluation Data Set(https://archive.ics.uci.edu/dataset/19/car+evaluation), you are required to build a classification model that assigns each car to one of the four "acceptability" classes: **unacceptable**, **acceptable**, **good**, **very good**.

2. The Mushroom Dataset contains descriptions of hypothetical samples corresponding to 23 species of gilled mushrooms in the Agaricus and Lepiota family.
   Each sample is described by **22 categorical features**, such as cap shape, color, odor, and gill size.
   The task is to build a model that predicts whether a mushroom is edible (e) or poisonous (p) based on these features.Data Source: (https://archive.ics.uci.edu/dataset/73/mushroom)

3. German Credit Data Classification
   The German Credit Dataset contains information about individuals who have applied for credit at a bank. Each instance represents an applicant's financial and personal profile, along with their credit risk classification. The dataset includes 20 attributes such as checking account status, loan duration, credit amount, employment status, and housing type.
   Develop a classification model that predicts whether an applicant is a good or bad credit risk based on their financial and demographic attributes.
   Data Source: https://archive.ics.uci.edu/dataset/144/statlog+german+credit+data

4. Design a classification model to categorize glucose levels into classes such as Normal, Moderately High, and High Risk from Multi-Source Diabetes Patient Records(Data Source: https://archive.ics.uci.edu/dataset/34/diabetes).

5. Design a Classification model for classifying an Email as Spam or Non-Spam. Dataset: https://archive.ics.uci.edu/dataset/94/spambase

6. Design a classification model to predict the chronic kidney disease using the dataset: https://archive.ics.uci.edu/dataset/336/chronic+kidney+disease

7. Design a classification model to predict rice quality Cammeo and Osmancik using the dataset: https://archive.ics.uci.edu/dataset/545/rice+cammeo+and+osmancik from UCI repository data set.

8. Design a classification model capable of recognizing handwritten characters or digits from image data. (Data Source: https://archive.ics.uci.edu/dataset/80/optical+recognition+of+handwritten+digits)

9. Design a classification model that distinguish phishing URLs from legitimate ones using the PhiUSIIL dataset.(Dataset: https://archive.ics.uci.edu/dataset/967/phiusiil+phishing+url+dataset)

10. Design of a Predictive(classification) Model for Maternal Health Risk Assessment using the dataset (Source: https://archive.ics.uci.edu/dataset/863/maternal+health+risk)

The steps of developing the models:

- Description of Data
- Feature analysis(visualization of data)
- Data read
- Data preprocessing (Null value, missing value, normalization)
- Model design & training
- Evaluation of the models
- Performance analysis

11.