Project Title: Car Price Prediction

Project Statement

The goal of this project is to build a predictive model that estimates the selling price of a car based on its specifications such as brand, year, engine size, fuel type, and other factors. This helps car dealers and buyers make informed decisions in the used car market.

Column Definitions

Column Name	Definition
Car ID	Unique identifier for each car record.
Brand	The manufacturer or brand of the car.
Year	The manufacturing or model year of the car.
Engine Size	The engine capacity (in liters or cc) of the car.
Fuel Type	Type of fuel used (e.g., Petrol, Diesel, Electric).
Transmission	Type of transmission (Manual or Automatic).
Mileage	The total distance the car has traveled (in kilometers).
Condition	Indicates the physical and mechanical state of the car.
Price	The market selling price of the car (target variable).
Model	The specific car model name or number.

Expected Outcomes

1. Develop a regression-based machine learning model to predict car prices accurately.
2. Identify key features influencing car prices, such as brand, age, and condition.
3. Provide actionable insights to car sellers, buyers, and dealers for better pricing strategies.
4. Create a user-friendly interface or dashboard for easy prediction and analysis.