

You are tasked with building a **Car Information System** that stores details of various cars and performs calculations related to **fuel efficiency** and **estimated fuel costs**. The system should support cars with different fuel types, and it should be able to identify fuel-efficient cars and calculate how much it would cost to travel a specified distance based on the car's fuel efficiency. You need to store the brand name, model, making year, fuel type(Petrol, Diesel, Electric, or Hybrid), and mileage.

The Functionality:

1. Display Car Information: Implement a function that displays all the information about a car, including its brand, model, year, fuel type, and mileage.
2. Check Fuel Efficiency: Implement a function to determine whether the car is fuel-efficient. A car is considered fuel-efficient if its mileage is greater than 15 km/l (you can modify this threshold).
3. Fuel Consumption Calculation: Implement a function to calculate the amount of fuel consumed when the car travels a specified distance. This function should return the amount of fuel consumed based on the car's mileage.
4. Fuel Cost Estimation: Implement a function to estimate the cost of fuel for a car to travel a given distance, given the price of fuel per liter and the car's mileage. For electric cars, the function should indicate that no traditional fuel is used.

Input:

You will be given a list of at least 3 cars, each with different fuel types and mileage values. You will be provided a fixed distance (100 km) and a fuel price per liter (e.g., for petrol \$.89/liter, for diesel \$3.24/liter, for hybrid \$2.45/liter).

Output:

For each car, the system should display the car's details, whether it is fuel-efficient, and the estimated fuel cost for the given distance. For electric cars, output a message indicating that they do not use traditional fuel.

Sample Output:

```
Car 1:
Brand: Toyota
Model: Corolla
Year: 2015
Fuel Type: Petrol
Mileage: 15 km/l
This car is not fuel-efficient.
Estimated fuel cost for 100 km: $8

Car 2:
Brand: Tesla
Model: Model S
Year: 2020
Fuel Type: Electric
Mileage: 0 km/l
This car is electric, efficiency measured in km/charge.
```

This car is not fuel-efficient.

Car 3:

Brand: Ford

Model: F-150

Year: 2018

Fuel Type: Diesel

Mileage: 12 km/l

This car is not fuel-efficient.

Estimated fuel cost for 100 km: \$10

Car 4:

Brand: Honda

Model: Accord

Year: 2017

Fuel Type: Hybrid

Mileage: 18 km/l

This car is fuel-efficient.

Estimated fuel cost for 100 km: \$6.66667