You are tasked with designing a program in C++ to model a car rental system. The system should handle three types of cars: economy, standard, and luxury cars. Each car has properties such as make, model, year, and a rental price per day, which differs for each type of car. Your goal is to implement this car rental system using classes and inheritance.

To classify between three car types, you can use a set of conditions to differentiate them. Here's an example of how you can approach this classification:

Start by defining the criteria that determine each car type. In this case, we'll consider factors like price range, features, and performance.

Define the conditions for each car type based on the criteria. Here's an example:

Economy Car:

Price range: Below a certain threshold (e.g., $20,000)

Features: Basic features, limited advanced technology.

Performance: Fuel-efficient, lower horsepower, smaller engine size.

Standard Car:

Price range: Mid-range (e.g., $20,000 - $50,000)

Features: Moderately equipped, some advanced technology.

Performance: Balanced between fuel efficiency and power, average engine size.

Luxury Car:

Price range: High-end (e.g., above $50,000)

Features: High-end features, advanced technology, luxury materials.

Performance: Powerful engine, high horsepower, premium driving experience.