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// Authour: Samuele Joshi, Short 8
// Description: Program which stores information about different cars.
// When user enters the name of the car, it will inform them whether the car is electric or not.
import java.util.Scanner;

public class Main {
   // main method - Calls the method decideUserInput and then exits the system.
   public static void main(String[] args) {
      decideUserInput();
      System.exit(0);
   }
   //Depending on the user input, the program will print the correct information.
   //Here is where I store the information. Abstract data type.
   public static void decideUserInput(){
      Car autoM1 = startCar("Triumph",false);
      Car autoM2 = startCar("Mini E",true);
      Car autoM3 = startCar("Ford Focus",false);
      // Asks about the car they wish to search for.
      Scanner userInput = new Scanner (System.in);
      System.out.print("Car Name: ");
      String carName = userInput.nextLine();
      // Depending on what the user enters, it will display the car information if it matches with
getCarName(any car in the records).
      if (carName.equals(getCarName(autoM1))){
         System.out.println("The " + getCarName(autoM1) + getElectricOrNot(autoM1));
      }
      else if (carName.equals(getCarName(autoM2))){
         System.out.println("The " + getCarName(autoM2) + getElectricOrNot(autoM2));
      }
      else if (carName.equals(getCarName(autoM3))){
         System.out.println("The " + getCarName(autoM3) + getElectricOrNot(autoM3));
      }
      else {
         System.out.println("I do not know the make " + carName +".");
         decideUserInput();
      }
   }
   // Allows me to store multiple information about one car in one record.
   public static Car startCar(String name, boolean electric){
      Car c = new Car();
      c = setCarName(c, name);
      c = setElectricOrNot(c, electric);
      return c;
   }

   //GET gets the information.
   public static String getCarName(Car autoM){
      return autoM.nameOfCar;
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    }

    //SET sets the information.
    public static Car setCarName(Car autoM, String carName){
        autoM.nameOfCar = carName;
        return autoM;
    }

    //Makes a friendly user message if there is or if there isn't a toilet.
    public static String getElectricOrNot(Car autoM){
        String message;
        if(autoM.electricOrNot == true){
            message = " is electric.";
        } else {
            message = " is not electric.";
        }
        return message;
    }

    public static Car setElectricOrNot(Car autoM, boolean eleOrNot){
        autoM.electricOrNot = eleOrNot;
        return autoM;
    }
}
// Variables used in my records. Rather than declaring multiple variables, I reference it in one place.
class Car{
    String nameOfCar;
    boolean electricOrNot;
}
```