Car Class API

Constructors

public Car (String model, int mpg, double tankCapacity)
Constructor for a Car with the specified model, mpg, and tank capacity. Initially the car’s gas tank is full and the odometer is set to 0.0.

Instance Methods

public String getModel ()
Returns this Car’s model.

public int getMPG ()
Returns the miles-per-gallon for this Car.

public void setMPG (int mpg)
Sets the miles-per-gallon for this Car to the specified value.

public void fillUp ()
Fills-up the gas tank of this Car.

public boolean isOutOfGas ()
Returns true if this Car’s tank is out of gas, and false otherwise.

public void drive (int numMiles)
Drives this Car numMiles miles beyond the current odometer reading, updating the odometer and gas tank level accordingly. If the Car has insufficient gas to travel the full distance it will travel as far as it can on the gas it has in its tank.

public String toString ()
Returns a String containing the current attributes of this Car in a sentence.