# Class or static Members

Below is a Car class with such a speedLimit field and getSpeedLimit() method.

public class Car {  
  
 private String licensePlate; // e.g. "New York A456 324"  
 private double speed; // kilometers per hour  
 private double maxSpeed; // kilometers per hour  
 private static double speedLimit = 112.0; // kilometers per hour  
   
 public Car(String licensePlate, double maxSpeed) {  
  
 this.licensePlate = licensePlate;   
 this.speed = 0.0;  
 if (maxSpeed >= 0.0) {  
 this.maxSpeed = maxSpeed;  
 }  
 else {  
 maxSpeed = 0.0;  
 }  
   
 }  
  
 // getter (accessor) methods  
 public static double getSpeedLimit() {  
 return speedLimit;  
 }  
  
 public boolean isSpeeding() {  
 return this.speed > speedLimit;  
 }  
  
 public String getLicensePlate() {  
 return this.licensePlate;  
 }  
  
 public double getMaxSpeed() {  
 return this.maxSpeed;  
 }  
  
 public double getSpeed() {  
 return this.speed;  
 }  
  
 // setter method for the license plate property  
 public void setLicensePlate(String licensePlate) {  
 this.licensePlate = licensePlate;  
 }  
  
 // accelerate to maximum speed  
 // put the pedal to the metal  
 public void floorIt() {  
 this.speed = this.maxSpeed;   
 }  
   
 public void accelerate(double deltaV) {  
  
 this.speed = this.speed + deltaV;  
 if (this.speed > this.maxSpeed) {  
 this.speed = this.maxSpeed;   
 }  
 if (this.speed < 0.0) {  
 this.speed = 0.0;   
 }   
   
 }  
   
}

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[elharo@metalab.unc.edu](mailto:elharo@metalab.unc.edu)

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