```java
package po;
public class Vehicle {
  private int passengers;
  private int fuelcap;
  private int mpg;

  Vehicle(int p, int f, int m) {
  passengers = p;
  fuelcap = f;
  mpg = m;
  }

  int range() {
  return mpg * fuelcap;
  }

  double fuelneeded(int miles) {
  return (double) miles / mpg;
  }

  public int getPassengers() {
    return passengers;
  }

  public void setPassengers(int passengers) {
    this.passengers = passengers;
  }

  public int getFuelcap() {
    return fuelcap;
  }

  public void setFuelcap(int fuelcap) {
    this.fuelcap = fuelcap;
  }

  public int getMpg() {
    return mpg;
  }

  public void setMpg(int mpg) {
    this.mpg = mpg;
  }


  public String toString() {
```

```java
        return "Vehicle [passengers=" + passengers + ", fuelcap=" + fuelcap + ",
mpg=" + mpg + "]";
    }


}



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package po;
public class VehConsDemo {
  public static void main(String args[]) {
    // construct complete vehicles
    Vehicle minivan = new Vehicle(7, 16, 21);
    Vehicle sportscar = new Vehicle(2, 14, 12);
    double gallons;
    int dist = 252;
    gallons = minivan.fuelneeded(dist);
    System.out.println("To go " + dist + " miles minivan needs " + gallons + "
gallons of fuel.");
    gallons = sportscar.fuelneeded(dist);
    System.out.println("To go " + dist + " miles sportscar needs " +gallons + "
gallons of fuel.");
    minivan.toString();
    sportscar.toString();
    }

}
```