PMR: This assignment was very easy and just tested my knowledge of the code. I enjoyed this assignment.

**Co2footprintv2**

/\*\*

\* Project title: 08.09 Javadocs

\*

\* Purpose of Project: Calculate the C02 output by the number of gas used.

\*

\* @version 12/1/2019

\*

\* @author Anika Jallipalli

\*

\* \*\*\*\*\*\*\*\*\*\*\* PMR \*\*\*\*\*\*\*\*\*\*\*

\* (+) Understood OOP more.

\*

\* (-) Need more practice with OOP.

\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*

\* In the future: Practice.

\*/

public class CO2FootprintV2

{

private double myGallonsUsed, myTonsCO2, myPoundsCO2;

/\*

Constructor for C02FootPrint.

@param gals = gallons used

\*/

CO2FootprintV2(double gallons)

{

myGallonsUsed = gallons;

}

public void calcTonsCO2()

{

myTonsCO2 = (8.78 \* Math.pow(10, -3)) \* myGallonsUsed;

}

/\*

Method to get Pounds of C02

@return double of the myPoundsC02

\*/

public void convertTonsToPounds()

{

myPoundsCO2 = myTonsCO2 \* 2205;

}

/\*

Method to get Tons of C02

@return double of myTonsC02;

\*/

public double getGallons()

{

return myGallonsUsed;

}

/\*

Method to calculate tons of C02 emitted

myTonsC02 multiplied by the gallons used and the formula to calculate

\*/

public double getTonsCO2()

{

return myTonsCO2;

}

/\*

Method to convert Tons to Pounds

myPoundsC02 is equal to Tons multiplied by 2204.6 (Amount of pounds in a ton)

\*/

public double getPoundsCO2()

{

return myPoundsCO2;

}

}

**CO2FootprintV2Tester**

/\*\*

\* Project title: 08.09 Javadocs

\*

\* Purpose of Project: Calculate the C02 output by the number of gas used.

\*

\* @version 12/1/2019

\*

\* @author Anika Jallipalli

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\* \*\*\*\*\*\*\*\*\*\*\* PMR \*\*\*\*\*\*\*\*\*\*\*

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\*

\* In the future: Practice.

\*/

public class CO2FootprintV2Tester

{

public static void main(String[] args)

{

double gallonsOfGas = 2410;

CO2FootprintV2 footprint = new CO2FootprintV2(gallonsOfGas);

footprint.calcTonsCO2();

footprint.convertTonsToPounds();

System.out.println(" CO2 Emissions");

System.out.println(" Gallons Pounds Tons");

System.out.println(" of Gas from Gas from Gas");

System.out.println(" \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.printf(" %6.1f %8.2f %6.3f", footprint.getGallons(),

footprint.getPoundsCO2(),

footprint.getTonsCO2());

System.out.println();

}

}