

CO2Footprint
<div>&lt;&lt;Instance Variables&gt;&gt;</div> <div><ul style="list-style-type: none"><li>- double annualGasolineUsed</li><li>- double averageElectricityUsed</li><li>- double averageElectricityPrice</li><li>- int numberOfPeople</li><li>- boolean paperRecycled</li><li>- boolean plasticRecycled</li><li>- boolean glassRecycled</li><li>- boolean cansRecycled</li><li>- int lightBulbsUsed</li></ul></div>
<div>&lt;&lt;Constructor&gt;&gt;</div> <div><ul style="list-style-type: none"><li>+ CO2Footprint()</li></ul></div> <div>&lt;&lt;Methods&gt;&gt;</div> <div><ul style="list-style-type: none"><li>+ double calcCO2FromGasoline()</li><li>+ double calcCO2FromElectricity()</li><li>+ double calcCO2ReducedFromRecycling()</li><li>+ double calcCO2FromWaste()</li><li>+ double calcCO2ReducedFromBulbs()</li></ul></div>

Psuedocode:

Declare all the private variables above the constructor. Intialize them inside the constructor. Create methods to calculate CO2 emitted from gasoline, CO2 emitted from electricity, and CO2 emitted from waste. Create methods to calculate CO2 reduced from recycling and CO2 reduced from lightbulbs. In the main method create an array and add new elements. Print results through a for loop.