**Program:**

import java.util.Scanner;

public class Energy\_Audit{

private static Scanner scnr; // Scanner error fix

public static void main(String[] args) {

final double COST\_PER\_KWH = 0.145;

final double LBS\_CO2\_PER\_KWH = 0.58815;

double usageHoursPerDay, usageDaysPerWeek, usageWeeksPerYear, wattsPerHour,

usageHoursPerYear, usageWattHoursPerYear, usageKWHPerYear, costPerYear, lbsCO2PerYear;

scnr = new Scanner(System.in);

**//Part 1**

System.out.print("How many hours a day do your use your computer? : ");

usageHoursPerDay = scnr.nextDouble();

System.out.print("How many days a week do your use your computer? : ");

usageDaysPerWeek = scnr.nextDouble();

System.out.print("How many Weeks a Year do your use your computer? : ");

usageWeeksPerYear = scnr.nextDouble();

System.out.print("How many watts per hour does your computer use? : ");

wattsPerHour = scnr.nextDouble();

**//Part 2**

usageHoursPerYear = usageHoursPerDay \* usageDaysPerWeek \* usageWeeksPerYear;

usageWattHoursPerYear = wattsPerHour \* usageHoursPerYear;

usageKWHPerYear = usageWattHoursPerYear / 1000;

costPerYear = usageKWHPerYear \* COST\_PER\_KWH;

lbsCO2PerYear = usageKWHPerYear \* LBS\_CO2\_PER\_KWH;

**// Part 3**

System.out.println("\n" + "Computer Energy Audit: \n");

System.out.println("You use your computer for " + usageHoursPerYear + " hours per year.");

System.out.println("It will use " + usageKWHPerYear + " KWH/year.");

System.out.println("Which will cost " + costPerYear +" $/year for electricity.");

System.out.println("Generating that much electricity will produce " + lbsCO2PerYear + " lbs of CO2 pollution.");

}

}

**Output #1**

**A typical business computer: 8 hours/day, 5 days/week, 50 weeks/year, 100 watts/hour**

How many hours a day do your use your computer? : 8

How many days a week do your use your computer? : 5

How many Weeks a Year do your use your computer? : 50

How many watts per hour does your computer use? : 100

Computer Energy Audit:

You use your computer for 2000.0 hours per year.

It will use 200.0 KWH/year.

Which will cost 28.999999999999996 $/year for electricity.

Generating that much electricity will produce 117.63 lbs of CO2 pollution.

**Output #2**

**A typical student laptop: 3 hours/day, 6 days/week, 30 weeks/year, 30 watts/hour**

Computer Energy Audit:

You use your computer for 540.0 hours per year.

It will use 16.2 KWH/year.

Which will cost 2.3489999999999998 $/year for electricity.

Generating that much electricity will produce 9.52803 lbs of CO2 pollution.

**Output #3**

**Windows store app time sense, is where i found my usage time.**

**Unfortunately there is no information about power consumption for my model of computer online.**

How many hours a day do your use your computer? : 5

How many days a week do your use your computer? : 7

How many Weeks a Year do your use your computer? : 52

How many watts per hour does your computer use? : 30

Computer Energy Audit:

You use your computer for 1820.0 hours per year.

It will use 54.6 KWH/year.

Which will cost 7.917 $/year for electricity.

Generating that much electricity will produce 32.112989999999996 lbs of CO2 pollution.