CO2 emissions by activity — X66096_en

Annual worldwide CO2 emission data can be downloaded from `https://ourworldindata.org`. For instance, data of greenhouse gas emissions in gigatons of last five years is:

```
2021   36.4
2020   34.81
2019   36.7
2018   36.65
2017   35.93
```

Remember that 1 gigaton is 10^9 tones, or 10^{12} kg.
Bill Gates claims in his book *How to avoid a climate disaster* that there are five activity areas involved in CO2 emissions and provides the following table that shows the pollution contribution of each activity as a percentage:

```
making things 31%
pluggin in 27%
growing things 19%
getting around 16%
keeping warm and cold 7%
```

Write a program that given the gas emissions of a year and an activity, outputs the amount of emissions due to the activity during the year.
Exam score: 3.0 **Automatic part:** 40%

Input

The input consist of three data. First, an integer representing a year. Second, a double with the amount of gas emissions in gigatons during the year and finally, a string denoting an activity. The string is always one in the list `making_things`, `pluggin_in`, `growing_things`, `getting_around`, `keeping_warm_and_cold`.

Output

A sentence providing the emissions in gigatons due to the activity in the year. See the examples below. Write the gigaton value using two decimal places.

Sample input 1

```
2021 36.4 making_things
```

Sample output 1

```
Making things produced 11.28 CO2 Gt in 2021
```

Sample input 2

```
2018 36.65 pluggin_in
```

Sample output 2

```
Pluggin in produced 9.90 CO2 Gt in 2018
```

Observation

To write double values using two decimal places, insert the following two lines at the beginnnig of the `main()`

```
cout.setf(ios::fixed);
cout.precision(2);
```

Problem information

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