

A country's population is affected by birth rate, death rate, and immigration rate. In order to determine future population of a country, you need all three rates.

Write a C++ program that takes the current population, birth rate, death rate, and immigration rate as input and prints out an estimate of the U.S. population after one year.

Your program must output the total number of births, deaths, immigrants, and the total population.

Sample user interaction (All numbers are rounded to the nearest 1):

```
Enter the current population: 328000000
Enter the birth rate: 1.7
Enter the death rate: 0.8
Enter the immigration rate: 0.3
```

After one years:

```
    Total number of births: 5576000
    Total number of deaths: 2624000
Total number of immigrants: 984000
    Total population: 331936000
```

Grading:

Programs that contain syntax errors will earn zero points.

Programs that use global variables other than constants will earn zero points. All variables must be declared inside the `main` function.

Your grade will be determine using the following criteria:

- Correctness (12 points)
 - All output results are displayed as requested and have accurate values.
 - All instructions are followed.
 - Clarity and format of the output
- Style & Documentation (3 points). See programming style below.

Follow the coding style outline on GitHub:

<https://github.com/nasseef/cs2400/blob/master/docs/coding-style.md>