**5.01 Male to Female Population Ratios Worksheet**

Submit the following two tables with your program for Assignment 5.01.

Pick a country in the CIA World Factbook and fill in the information missing from the following table. Pick a country based your national origin or simply one in which you have an interest. Don’t forget to record the Male:Female ratio reported in the Factbook to determine the accuracy of your simulation.

**Country: Germany Male:Female .97**

|  |  |  |  |
| --- | --- | --- | --- |
| **Age** | **Male** | **Female** | **Total** |
| **0-14** | 5499555 | 5216066 | 10715621 |
| **15-64** | 27173860 | 26587068 | 53760928 |
| **> 65** | 7273915 | 9555392 | 16829307 |
| **Total** | 39947330 | 41358526 | 81305856 |
| **Percent** | 49.1 | 50.9 | 100 |

Use the data in the table to calculate and verify the male to female ratio for the country you chose. You will need the percentages in the program for this assignment. You can calculate the averages with a calculator after gathering data from your program simulation.

**Simulation of The Ratio of Males to Females for: \_\_*Germany*\_\_**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **10x** | **100x** | **1000x** | **10000x** |
| **Males** | 8 | 50 | 526 | 4931 |
| **Females** | 2 | 50 | 474 | 5069 |
|  |  |  |  |  |
| **Males** | 7 | 51 | 504 | 4892 |
| **Females** | 3 | 49 | 496 | 5108 |
|  |  |  |  |  |
| **Males** | 6 | 50 | 502 | 4956 |
| **Females** | 4 | 50 | 498 | 5044 |
|  |  |  |  |  |
| **Males** | 6 | 57 | 479 | 4946 |
| **Females** | 4 | 43 | 521 | 5054 |
|  |  |  |  |  |
| **Males** | 4 | 46 | 501 | 5000 |
| **Females** | 6 | 54 | 499 | 5000 |
|  |  |  |  |  |
| **Avg. Males** | 6.2 | 50.8 | 502.4 | 4945 |
| **Avg. Females** | 3.8 | 49.2 | 497.6 | 5055 |