## Write algorithm for Lab1 here.

## Remember to follow the rules of what makes a good algorithm from Notes #2.

Algorithm

1. Set years in seconds as a constant
2. Ask user for the birth rate of babies in seconds
3. Ask user for the death rate of people in seconds
4. Ask user for the rate of new immigrants in seconds
5. Ask user for the current population
6. Ask user how many years in the future would they like to know the population
7. To find the change in population use this formula: (years in seconds/birth rate +years in seconds/rate of new immigrants – years in seconds/rate of death) \* years in the future
8. To find the future population, use this formula: current population + change in population
9. Output the expected future population
10. If future population is greater than current population
    1. output that there was an increase
11. otherwise, if future population is less than current population
    1. output that there was a decrease
12. Otherwise
    1. Output that there was no change