```cpp
//Carlos Salazar CSCI-1300
#include <iostream>
using namespace std;

int howMany(int population)
{

    int TotTime = (60*60*24*365);
    //Initialize the total time in 1 year
    population = population + (TotTime/8);
    //Births
    population = population - (TotTime/12);
    //Deaths
    population = population + (TotTime/33);
    //Immigrant
    return population;
    //return the final population for the function
}
void howLong(int seconds)
{

    int Days = 0;
    int Hours = 0;
    int Minutes = 0;
    int Sec = 0;
    //Initializing declared variables
    while ( seconds >= 86400)
    {
        seconds = (seconds - 86400);
        Days = Days + 1;
    //Increments days by 1, ++Days is better
    }
    while (seconds >= 3600 )
    {
        seconds = (seconds - 3600);
        Hours = Hours + 1;
    //Increments Hours by 1, ++Hours is better
    }
    while (seconds >= 60)
    {
        seconds = (seconds - 60);
        Minutes = Minutes + 1;
        //Increments Minutes by 1, ++Minutes is better
    }
    while (seconds > 0)
    {
        seconds = (seconds - 1);
        Sec = Sec + 1;
        //Increments Sec by 1, ++Sec is better
    }

    cout << "Time is " << Days << " days, " << Hours << " hours, " << Minutes << " minutes, and " << Sec <<
" seconds."<<endl;
    //Prints this
}

int howHot(int temperature)
{
    int celcius = temperature;
    //celcius is equal to the input of the user
    temperature = ((celcius*(1.8)+32));
    //conversion from celcius to Farenheit
    return temperature;
    //Return output to the function
}

```

```cpp
int main()
{
    // Problem 1 test
    int pop;
    int population;
    //Declare variables
    cout << "Given the initial population of " <<endl;
    cin >> pop;
    //Inputs the declared variable
    cout << " your estimation finds a population of " << howMany(population) <<endl;
    //calls function to print which will be equal to the returned value
    //Problem 2 Test
    int Sec;
    int seconds;
    //declare variables
    cout << "Given the seconds value of " <<endl;
    cin >> seconds;
    //inputs the declared variable
    howLong(seconds);
    //since my function prints already, there is no need to reprint instead just call function
    //Problem 3 Test
    int temperature;
    //declare variable
    cin >> temperature;
    //Inputs the value for the conversion
    cout << howHot(temperature) << " degrees Fahrenheit" << endl;
    //prints final value of function followed by the string
}
```