

*Happy Birthday – Prog 0*  
*CECS 282-01*  
*Due: Before next class period*

This is your first program. When you are done, submit the source code to Beachboard. You do not have to demo it to me.

You are to acquire a C++ compiler of your choice and write this program which is listed below. It should run with no modifications except inserting your name instead of mine. Pay attention to upper case and lower case letters.

Possible C++ compilers are:

Visual Studios Community – A free compiler from Microsoft <https://www.visualstudio.com/downloads/>

**Note: if you use Visual Studios, you should select the “Empty Project” option when creating your program.**

Online Compiler <https://www.onlinegdb.com/> (very good for testing out short code snippets)

X-Code for Macintosh

Any other of your choice is fine as well.

Here is the code:

```
// Steve Gold (You enter YOUR name)
// Class (CECS 282-01)
// Project Name (Prog 0 – Happy Birthday)
// Due Date (Enter the due date)

#include <iostream>
#include <string>
using namespace std;
int main()
{
    string name;
    int age;
    int birthYear;
    char thisYear;
    cout << "What is your name?";
    cin >> name;
    cout << "How old are you "<<name<<"?";
    cin >> age;
    cout << name << ", have you had your birthday yet this year?? (y/n)";
    cin >> thisYear;

    if (thisYear == 'y' || thisYear == 'Y')
        birthYear = 2019 - age;
    else
        birthYear = 2019 - age - 1;
    cout << endl;
    cout << "Hi " << name << "!!!\n\n I guess that you were born in " << birthYear << endl;
    cout << "\n\nPress 'Enter' to continue:";

    getchar(); // this line will clear out the input buffer - there is a leftover carriage
return
    getchar(); // this line will cause the program to pause until you press the Enter key

    return 0;
}
```

