

## proj01: A Simple Program

### Part I:

#### *Specifications:*

Write a program that does the following in order:

- Asks the user to enter his/her first name.
- Asks the user to enter their age.
- Prints out the year that the user will be 100.

#### *Example:*

Enter your name: *Ashlyn*

Enter your age: *26*

Ashlyn will turn 100 in the year 2090!

#### *Extension:*

Can you make the name always print with a capital first letter and lowercase letters afterward, no matter how it was entered?

#### *Hint:*

| Variables  | What each variable would say if printed                       |
|--|---|
| my_str = "This is a string."<br>first_letter = myStr[0]<br>second_letter = myStr[1]<br>begin_slice = myString[:4]<br>end_slice = myString[3:]<br>mid_slice = myString[2:6] | This is a string.<br>T<br>h<br>This<br>s is a string.<br>is i |
| my_str2 = "AbCd"<br>my_str3 = my_str2.lower()<br>my_str4 = my_str2.upper()   | AbCd<br>abcd<br>ABCD  |

### Part II:

#### *Specifications:*

Modify your program so that the year the user will be 100 is accurate for both users who have already had a birthday this year, and users who have not yet had a birthday this year.

#### *Extensions:*

1. Tell your user if they are allowed to see G, PG, PG-13, or R rated movies.

2. What if someone older than 100 used your program? What will they see? Adjust the output for this type of user.