

Lab 7 – Strings

Instructions: Complete each problem. If you're struggling with a problem, feel free to ask questions on the class forum.

This lab is optional, but it gives you valuable programming experience. You should definitely complete the lab if you can.

Problem 1 – Birthday Fun

Create a new console application named Lab7. Your program will read in a user's birthday as a month (January, February, etc.) followed by the day and echo that information to the user.

Specifically, your program should do the following:

- Prompt for the month of the user's birthday
 - o Print an appropriate message to the user asking for their birth month
 - o Read the value from the user
 - o Store the value in an appropriate variable
- Prompt for the day of the user's birthday
 - o Print an appropriate message to the user asking for their birth day
 - o Read the value from the user
 - o Convert (Parse) the value as appropriate. You should NOT be storing the day as a string!
 - o Store the value in an appropriate variable
- Print the values stored to the user with an appropriate message

Your program's output should look like this (assuming the user enters October and 9):

```
In what month were you born? October
On what day were you born? 9
```

```
Your birthday is October 9
```

Problem 2 – Reminders

Add code to display what day a reminder email will be sent to the user inviting them to visit an in-game store on their birthday for 20% off. Your program must display that the reminder will be sent on the day before the user's birthday.

Specifically, your additional code should print a message to the user stating the month and day they will receive a reminder (see Hint below).

Hint: What if the user puts in the first day of the month (e.g., July 1)? What value will your application print? This is a bug! We don't know how to fix this yet, but we'll learn how to do that soon, so leave the bug for now and ignore the problem.

Your program's output should look like this (assuming the user enters October and 9):

```
In what month were you born? October
On what day were you born? 9
```

```
Your birthday is October 9
You'll receive an email reminder on October 8
```