

## Introduction to While Loops

In this assignment, you will add a while loop to your previous HW assignment. Like before, the program will prompt the user to enter the day and then print out a message that corresponds to that particular day (or days), but this time your program will also ask if the user wants to enter another day, and depending on their response will keep executing.

Below is a sample run of the program (user input is green). Unlike last time, this is a single program run. The program continues to ask the user for days until the "N" character is entered.

```
What's today: Saturday
Weekend!
Enter another day? (Y/N): Y
What's today: Monday
Weekday.
Enter another day? (Y/N): Y
What's today: Wednesday
Half way there.
Enter another day? (Y/N): Y
What's today: Friday
Almost the weekend!
Enter another day? (Y/N): Y
What's today: Banjo
That doesn't appear to be valid day.
Enter another day? (Y/N): N
```

Your program should function correctly for any day of the week. You may assume that the days **will always have the first letter capitalized** like in the above examples. If something other than a day of the week is entered the error message above should be printed.

**Make sure the prompts and the other outputs are identical to the examples above.**

## What to Submit

For this assignment you should submit your `main.cpp` file from inside of your project directory.

This assignment will be graded automatically. Test your programs thoroughly before submitting them. Make sure that your programs produce correct results for every logically valid test case you can think of. Do not waste submissions on untested code, or on code that does not compile with the supplied code from the course website.

Web-CAT will assign a score based on runtime testing of your submission; your best score will be counted; the TAs will later verify that your best submission meets the stated restrictions, and assess penalties if not.

To submit this assignment:

1. Visit <http://web-cat.cs.vt.edu> in your web browser.
2. Enter your Virginia Tech PID and password in the appropriate fields on the log-in screen, and make sure that **Virginia Tech** is selected as the institution. Click **Login**.
3. The Web-CAT home screen will display useful announcements and assignments that are currently accepting submissions. Find the assignment that you want to submit in the table, and click the "Submit" button next to it.
4. Click the **Browse...** button and select the file you want to upload. The homework assignments and programming projects for this course should be self-contained in a single **main.cpp** file, so you can simply select that one file.
5. Click the **Upload Submission** button. The next page will ask you to review your selection to ensure that you have chosen the right file. If everything looks correct, click **Confirm**.

The next page will show that your assignment is currently queued for grading, with an estimated wait time. This page will refresh itself automatically, and when grading is complete you will be taken to a page with your results.

### Pledge

Each of your program submissions must be pledged to conform to the Honor Code requirements for this course. Specifically, you **must** include the following pledge statement in the submitted file:

```
//      On my honor:
//
//      - I have not discussed the C++ language code in my program with
//        anyone other than my instructor or the teaching assistants
//        assigned to this course.
//
//      - I have not used C++ language code obtained from another student,
//        or any other unauthorized source, either modified or unmodified.
//
//      - If any C++ language code or documentation used in my program
//        was obtained from an allowed source, such as a text book or course
//        notes, that has been clearly noted with a proper citation in
//        the comments of my program.
//
//      <Student Name>
```

**Failure to include this pledge in a submission will result in the submission being disallowed during code review.**