CS150 Intro to CS I

Fall 2014
Chapter 5
do-while

- Reading: 5.5 (pp. 242-247)
- Good Problems to Work: p. 246 5.5
do-while loop

- do-while is
  1. another repetition structure
  2. is a post-test loop that executes one or more times
  3. is used many times to validate data input by the user

- general form

```c
  do
  {
    // statements
  } while (logical expression);
```

- What does the flowchart for a do-while look like?
Input Validation

• Ask the user to enter a year. Valid years are greater than 0.

    do
    {
        cout << "Enter a year:" << endl;
        cin >> year;
    } while (year <= 0);
Practice

- Write C++ statements that will read in integers from the user until the user inputs an integer greater than 10.
Practice

- Ask the user for an even integer greater than 100. Keep asking until valid input is given.
Practice

- Ask the user for a capital letter. Keep asking until you get valid input.
Practice

- Write a program segment that displays the following menu:

  S)ave
  E)dit
  Q)uit

  Select:

- If the user does not enter a valid selection (‘S’, ‘s’, ‘E’, ‘e’, ‘Q’, ‘q’) then display the menu again. Continue doing so until the user enters a valid menu choice.