



# CS150 Intro to CS I

Fall 2012

# Chapter 5

## do-while

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

# do-while loop

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

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

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

# Input Validation

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- 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

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

# Practice

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

# Practice

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

# Practice

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- 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.