

CS 161

Quiz 5 Solution

- 1) Which of the following functions is used to remove information from the input buffer?

cin.ignore() is used to delete information from the input buffer. It deletes as many characters as the first parameter or until the second parameter is reached

- 2) Which of the following functions is used to reset error flags on cin?

cin.clear() clears the error flags on the input buffer after a **cin.fail()**

- 3) Which of the following functions reports that an error occurred when reading input?

cin.fail() returns true if an error occurred. This is used to see if a read from cin successfully found an integer or floating-point value.

- 4) What is the C++ instruction that is used to immediately get out of a loop?

break is used to get out of a loop. It causes execution to start at the first instruction after the end of the loop.

- 5) What is the C++ command that is used to end this iteration of a loop, but not terminate it?

continue is used to end this iteration. It causes execution to jump to the condition check of the loop.

- 6) What loop is preferred when you are repeating a known number of times?

The **for** loop is for situations where you want to repeat some number of times.

- 7) What loop is the most general and can deal with any condition?

The **while** loop is the most general loop. It can replace the for or do/while loops.

- 8) What loop always executes at least once before terminating?

The **do/while** loop is a **post-test** loop that executes at least once before terminating.