// calculate average
double total = 0.0;
for (i = 0; i < Max; i++)
    total += golf[i];
// report results
    cout << total / Max << " = average score " << Max << " rounds\n";
return 0;
}

Compatibility Note

Some older Borland compilers give a warning about

cout << "round #" << i+1 << ": ";

to the effect that ambiguous operators need parentheses.
Don't worry. They're just warning about a possible
grouping error if << is used in its original meaning as a
left-shift operator.

Here is a sample run:

Please enter your golf scores.
You must enter 5 rounds.
round #1: 88
round #2: 87
round #3: must i?
Please enter a number: 103
round #4: 94
round #5: 86
91.6 = average score 5 rounds

Program Notes

The heart of the error-handling code is the following: