



revised: 10/01/98, 12/09/99, 01/20/00, 01/14/06, 06/04/06, 10/08/08, 06/13/14

CHAPTER 14 — Boolean Expressions

Chapter Topics:

- Relational Operators (review)
- Logical Operators
- AND Operator
- How to check that a number is in range
- Boolean Expressions
- OR Operator
- Comparison between AND and OR
- NOT Operator

The `if` statements of the previous chapters asked simple true/false questions (boolean expressions) such as `count < 10`. Often simple boolean expressions are not enough. This chapter discusses more complicated boolean expressions.

Boolean expressions have been prominent on past AP Computer Science tests.

QUESTION 1:

You have decided to bake some cookies (much cheaper than buying them at the Mall).

An interesting cookie recipe calls for 4 cups of flour and 2 cups of sugar. You look in your pantry and find 3 cups of flour and 2 cups of sugar.

Can you bake cookies with what you have?

