**Java If Boolean Example Solution Code 1**

See also:

* [Java If Boolean Example Solution Code 2](http://codingbat.com/doc/java-if-boolean-example-solution-code-2.html) (video)
* [Java If Boolean Logic](http://codingbat.com/doc/java-if-boolean-logic.html)
* Syntax refresher:
* return true; -- *return true immediately*
* if (a > 20) { ... }
* && -- *and*
* || -- *or (vertical bars)*
* ! -- *not (exclamation mark*
* if (a <= 10 && b >= 20) {
* // run here if above is true
* }

## sumDouble Solution

CodingBat Practice> [sumDouble](http://codingbat.com/prob/p154485)

* Value in local variable: int sum = a + b;
* if/else solution vs. last-return solution

## sleepIn Solution

CodingBat Practice> [sleepIn](http://codingbat.com/prob/p187868)

* No: (vacation == true) Yes: (vacation)
* One strategy: return false; last, "fall through" past other cases above.

## monkeyTrouble Solution

CodingBat Practice> [monkeyTrouble](http://codingbat.com/prob/p181646)

* Direct translation "both smiling": if (aSmile && bSmile) {
* Reduce the whole thing to one line:   
  return (aSmile && bSmile || !aSmile && !bSmile);

More problems to try

* CodingBat Practice> [parrotTrouble](http://codingbat.com/prob/p140449)
* CodingBat Practice> [posNeg](http://codingbat.com/prob/p159227)
* CodingBat Practice> [dif21](http://codingbat.com/prob/p116624)

[CodingBat.com](http://codingbat.com/) code practice.