[Lab-Python] Boolean Logic basics

(True/False)

Using the Python Interactive Interpreter [don’t guess, try them] figure out the result from each of the statements in the expression table below (answer can only be True or False)

How to test: We can get the True/False result from any expression using the bool function

|  |
| --- |
| bool(1 == 1) |

|  |  |
| --- | --- |
| **Expression** | **Result** |
| True and True | True |
| False and True | False |
| 1 == 1 and 2 == 1 | False |
| 0 | False |
| “” | False |
| 0.0 | False |
| not 0 | True |
| "test" == "test" | True |
| 1 == 1 or 2 != 1 | True |
| True and 1 == 1 | True |
| False and 0 != 0 | False |
| True or 1 == 1 | True |
| "test" == "testing" | False |
| 1 != 0 and 2 == 1 | False |
| "test" != "testing" | True |
| "test" == 1 | False |
| 1 == 1 and not ("testing" == 1 or 1 == 0) | True |
| "chunky" == "bacon" and not (3 == 4 or 3 == 3) | False |
| 3 == 3 and not ("testing" == "testing" or "Python" == "Fun") | False |