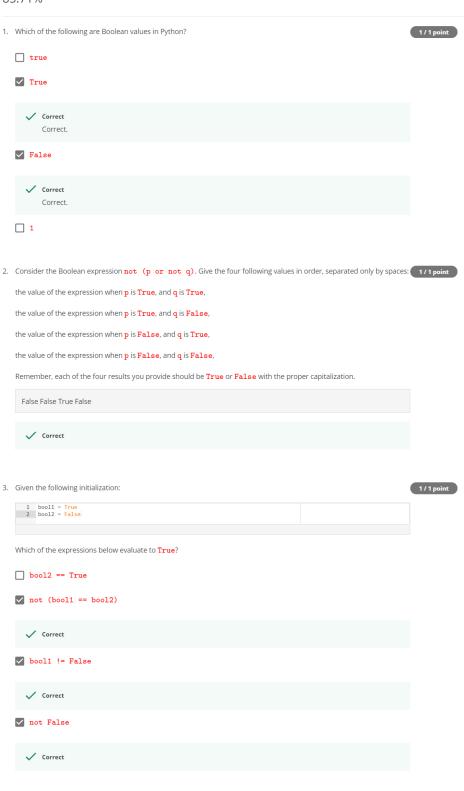
GRADE 85.71%

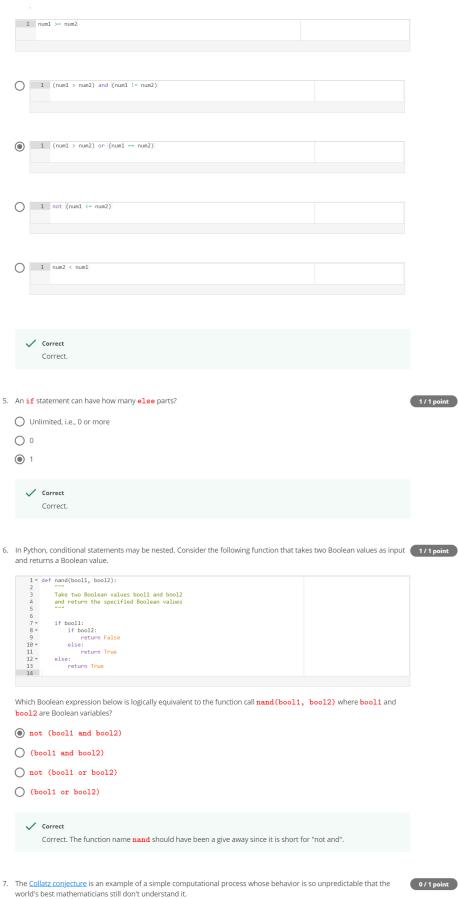
Logic and Conditionals

LATEST SUBMISSION GRADE 85.71%



4. Two expressions are logically equivalent if they have the same value for all possible values of the variables that comprise 1/1 point





world's best mathematicians still don't understand it.

Consider the simple function f(n) (as defined in the Wikipedia page above) that takes an integer n and divides it by two if n is even and multiplies n by 3 and then adds one to the result if n is odd. The conjecture involves studying the value of expressions of the form f(f(f(...f(f(n))))) as the number of calls to the function f increases. The conjecture is that, for any non-negative integer n, repeated application of f to n yields a sequence of integers that always includes 1.

 $Your \ task \ for \ this \ question \ is \ to \ implement \ the \ Collatz \ function \ f \ in \ Python. \ The \ key \ to \ your \ implementation \ is \ to \ build \ a$ $test\ that\ determines\ whether\ n\ is\ even\ or\ odd\ by\ checking\ whether\ the\ remainder\ when\ n\ is\ divided\ by\ 2\ is\ either\ zero\ or\ odd$ one. **Hint**: You can compute this remainder in Python using the remainder opertor % via the expression n % 2. Note you will also need to use integer division $\ensuremath{//}$ when computing f.

No answer

Incom

The answer you gave is not a number.