Exercise: gcd iter

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5.0 points possible (graded)

ESTIMATED TIME TO COMPLETE: 5 minutes

The greatest common divisor of two positive integers is the largest integer that divides each of them without remainder. For example,

- gcd(2, 12) = 2

- gcd(6, 12) = 6

- gcd(9, 12) = 3

- gcd(17, 12) = 1

Write an iterative function, `gcdIter(a, b)`, that implements this idea. One easy way to do this is to begin with a test value equal to the smaller of the two input arguments, and iteratively reduce this test value by 1 until you either reach a case where the test divides both `a` and `b` without remainder, or you reach 1.

```
1 def gcdIter(a, b):
2     '''
3     a, b: positive integers
4
5     returns: a positive integer, the greatest common divisor of a & b.
6     '''
7     # Your code here
8
```

Press ESC then TAB or click outside of the code editor to exit