

Day03_Fizzbuzz_Homework_Solution

September 5, 2022

0.1 Day 3's Homework: Fizzbuzz

Perhaps you are familiar with the game fizzbuzz -- count integers, but say "fizz" instead of multiples of three, "buzz" rather than multiples of 5, and "fizzbuzz" for multiples of three and five; i.e., "1 2 fizz 4 buzz fizz 7 8 fizz buzz ...".

Write a program that given a starting integer m and ending integer n, prints the 'fizzbuzz' sequence between them. however, rather than multiples of 3 and 5, your program should also accept integers a and b to serve as fizz and buzz. assume that the inputs are always valid.

A useful operator may be % which is the "modulo" operator. The modulo division operator produces the remainder of an integer division. Syntax: If x and y are integers, then the expression: $x \% y$. produces the remainder when x is divided by y. Here are three examples:

```
[ ]: m = 3
      n = 5

      nums = range(1,100,1)

      for i in nums:
          if (i % n == 0) & (i & m == 0):
              print('fizzbuzz')
          elif (i % n == 0) & (i & m != 0):
              print('fizz')
          elif (i % n != 0) & (i & m == 0):
              print('buzz')
          else:
              print(i)
```