Guidance: This excercise should be completed within 90 minutes. TDD, Clean code and unit testing approach should be used.

Output should be archived as Zip file or into github.

FizBuzz

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Step 1:

Write code that prints out the following for a contiguous range of numbers:

\* the number

\* 'fizz' for numbers divisible by 3

\* 'buzz' for numbers divisible by 5

\* 'fizzbuzz' for numbers divisible by both 3 and 5

e.g. if I run the program over a range from 1-20 I should get the following output

1 2 fizz 4 buzz fizz 7 8 fizz buzz 11 fizz 13 14 fizzbuzz 16 17 fizz 19 buzz

Archive this as a zip file and continue to step two.

Step 2:

Enhance your existing FizzBuzz solution to perform the following:

\* If the number contains a three you must output the text 'lucky'. This overrides any existing behaviour

e.g. if I run the program over a range from 1-20 should get the following output

1 2 luck 4 buzz fizz 7 8 fizz buzz 11 fizz luck 14 fizzbuzz 16 17 fizz 19 buzz

Archive this as a zip file and continue to step three

Step 3:

Enhance your exising FizzBuzz solution to also print statistics about how many times the following were output:

- fizz

- buzz

- fizzbuzz

- luck

- number

e.g. if I run the prograrm over a range from 1-20 I should get the following output:

1 2 luck 4 buzz fizz 7 8 fizz buzz 11 fizz luck 14 fizzbuzz 16 17 fizz 19 buzz

fizz: 4

buzz: 3

fizzbuzz: 1

luck: 2

number: 10