

Exercise 19

Write a program that prints the numbers from 1 to 100 to the console, each on a new line, with the following conditions:

- If the number is divisible by 2, it prints "foo" instead
- If the number is divisible by 4, it prints "fuu" instead

Example output:

```
1
foo
3
foofuu
5
```

The quality of the code is just as important as solving the problem itself.

Things you should focus on:

- Maintainability (readable code, comments with value, DRY, SOLID)
- Testability (code coverage at least 35%)
- Flexibility (possible specification changes, e.g. variable size of input set, additional conditions, different output devices)

Please include instructions on how to run your program. You can use any number of external libraries you need to complete the task.

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