



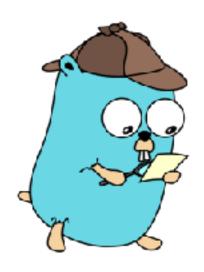
Testing in GO

```
File Name: xxx_under_test_test_go
func Test_Description(t *testing.T) {
 // Arrange
 // Act
 // Assert
```



Exercise

- 1. Tennis
- 2.PrimeFactors
- 3. FizzBuzz
- 4.LCD Number
- 5. Vending Machine



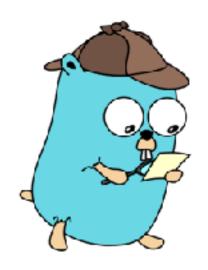
Tennis

```
A B Display
0 0 Love-Love
1 0 Fifteen-Love
2 0 Thirty-Love
```

- 3 0 Forty-Love
- 4 0 Win for A
- A B Display
- 3 Deuce
- 4 3 Advantage for A
- 5 3 Win for A



PrimeFactors



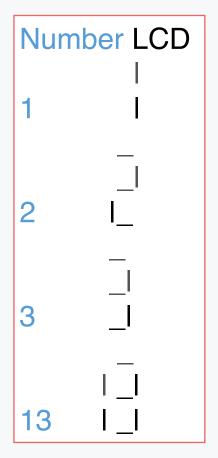
FizzBuzz

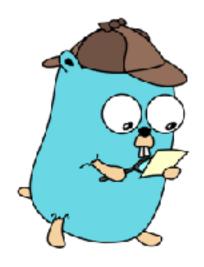
Number	Say
1	1
2	2
2 3 4	Fizz
4	4
5	Buzz
6	Fizz
7	7
8	8

Number	Say
9	Fizz
10	Buzz
11	11
12	Fizz
13	13
14	14
15	FizzBuzz
30	FizzBuzz



LCD Number





Vending Machine

Vending Machine

Coin: TEN(10), Five(5), TWO(2), ONE(1)
T F TW O

Item: Soft Drink(18): SD, Canned Coffee(12): CC, Drinking Water(7): DW

1. Buy SD(soft drink) with exact change

Insert: T, F, TW, O

Currently inserted money: 18

Choose: Select SD

Return: SD

2. Start adding change but hit coin return

Insert: T, T, F

Currently inserted money: 25

Choose: Coin Return

Return: T, T, F

3. Buy CC(canned coffee) without exact change

Insert: T, T

Currently inserted money: 20

Choose: Select CC Return: CC, F, TW, O



Test Coverage

go test -cover -coverprofile=c.out go tool cover -html=c.out