

Go Testing

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Go Support For Testing

- Golang has built in libraries for Unit & Benchmark Testing
- You can run tests with: `go test`
- For testing you need package: `testing`



Test Function

```
func TestXxx(t *testing.T)
```

```
func TestAbs(t *testing.T) {  
    got := Abs(-1)  
    if got != 1 {  
        t.Errorf("Abs(-1) = %d; want 1", got)  
    }  
}
```



Benchmark Test

```
func BenchmarkXxx(b *testing.B)
```

```
func BenchmarkHello(b *testing.B) {  
    for i := 0; i < b.N; i++ {  
        fmt.Sprintf("hello")  
    }  
}
```



Wrong Benchmark

```
func BenchmarkFibWrong(b *testing.B) {  
    for n := 0; n < b.N; n++ {  
        Fib(n)  
    }  
}
```

```
func BenchmarkFibWrong2(b *testing.B) {  
    Fib(b.N)
```



Reset Timer

```
b.ResetTimer()
```

