Conversions

A **type assertion** doesn’t really convert an interfaceto another data type, but it provides access to an interface’s concrete value, which is typically what you want.

The type assertion x.(T) asserts that the concrete value stored in x is of type T, and that x is not nil.

- If T is not an interface, it asserts that the dynamic type of x is identical to T.
- If T is an interface, it asserts that the dynamic type of x implements T.

```
var x interface{} = "foo"

var s string = x.(string)
fmt.Println(s)     // "foo"

s, ok := x.(string)
fmt.Println(s, ok) // "foo true"

n, ok := x.(int)
fmt.Println(n, ok) // "0 false"

n = x.(int)        // ILLEGAL
```

Links:

https://yourbasic.org/golang/type-assertion-switch/