How to find index of Last Occurrence of Substring in a String in Go?

Go – Index of Last Occurrence of Substring in String

To get the index of last occurrence of a substring in a string in Go programming, call `LastIndex` function of `strings` package, and pass the string and substring as arguments to this function.

The syntax to get the index of the last occurrence of substring `substr` in a string `str` using `LastIndex` function is

```
strings.LastIndex(str, substr)
```

`LastIndex` function returns an integer that represents the position of last occurrence of `substr` in `str`.

Examples

In the following program, we will take a string `Welcome to Go Tutorial, Go Examples` and find the index of last occurrence of substring `Go`.

example.go

```go
package main

import (
    "fmt"
    "strings"
)

func main() {
    var str = "Welcome to Go Tutorial, Go Examples"
    var substr = "Go"
    var index = strings.LastIndex(str, substr)
    fmt.Println("The index of last occurrence of substring is: ", index)
}
```

Output

```
The index of last occurrence of substring is:  24
```

If the substring is not present in the input string, `LastIndex` returns `-1`.

In the following program, we will take a string and substring such that substring is not present in the string. We will then use `LastIndex` function to find the index of last occurrence of substring in given string. Since substring is not present in the string, `LastIndex` should return `-1`.

example.go

```go
package main

import (
    "fmt"
    "strings"
)

func main() {
    var str = "Welcome to Go Tutorial, Go Examples"
    var substr = "Python"
    var index = strings.LastIndex(str, substr)
    fmt.Println("The index of last occurrence of substring is: ", index)
}
```

Output

```
The index of last occurrence of substring is:  -1
```

Conclusion

In this Golang Tutorial, we learned how to find the index of last occurrence of a substring in given string using strings.LastIndex() function.

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