

HATFD1010

Rotate a String Left by K Positions

Write a program to rotate a given string s left by k positions without using any built-in string functions. For example, rotating "abcdef" by 2 would give "cdefab".

Instructions: Do not use built-in rotation or substring functions. Implement the logic manually.

Code :

```
package main
import (
    "fmt"
)
func main() {
    var s string
    var k int
    fmt.Print("Enter the string(s): ")
    fmt.Scanln(&s)
    fmt.Print("Enter the number for rotation(k): ")
    fmt.Scanln(&k)
    rotated := roLeft(s, k)
    fmt.Println("Rotated string(Result):", rotated)
}
func roLeft(s string, k int) string {
    n := len(s)
    finalres := make([]byte, n)
    k = k % n
    for wind := 0; wind < n; wind++ {
        finalres[wind] = s[(wind+k)%n]
    }
    return string(finalres)
}
```

Output:

TestCase 1:

Enter the string(s): abcdef
Enter the number for rotation (k): 2
Rotated string(Result): cdefab

TestCase 2:

Enter the string(s): Muthu
Enter the number for rotation(k): 24
Rotated string(Result): uMuth

TestCase 3:

Enter the string(s): HashAgile
Enter the number for rotation(k): 406
Rotated string(Result): ashAgileH