Sample workouts

1. Reveresing a string

func main(){

s:="hello"

reversed:=ReverseString(s)

fmt.Println(reversed)

}

func ReverseString(s string) string {

result:=""

for i:=len(s)-1;i>=0;i--{

result+=string(s[i])

}

return result

}

1. Check whether string is palindrome

func main(){

s:="malayalam"

if IsPallindrome(s){

fmt.Println("it is pallindrome")

}else{

fmt.Println("Not pallindrome")

}

}

func IsPallindrome(s string) bool{

for i:=0;i<(len(s)+1)/2;i++{

if s[i]!=s[len(s)-i-1]{

return false

}

}

return true

}

1. Count vowels in a string

func main(){

s:="hei"

count:=CountVowels(s)

fmt.Println(count)

}

func CountVowels(s string) int {

count:=0

for i:=0;i<len(s);i++{

if IsVowel(s[i]){

count++

}

}

return count

}

func IsVowel(s byte) bool{

return s=='a' || s=='e' || s== 'i' || s=='o' || s=='u'

}

function to replace each alphabet in the given string with another alphabet occurring

at the n-th position from each of them.

func Encode(s string,n int) string{

Result := ""

Change := n % 26

for i := 0 ; i < len(s) ; i++ {

if s[i] <= 122-change{

result += string(s[i]+byte(change))

}else{

result += string(s[i]-26+byte(change))

}

}

return result

}