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## **PROBLEM STATEMENT**

Find the First Non-Repeating Character Write a program to find the first non-repeating character in a string. For input "swiss", the output should be "w". You cannot use any built-in string or character frequency counting functions.

## **CODE**

```
package main

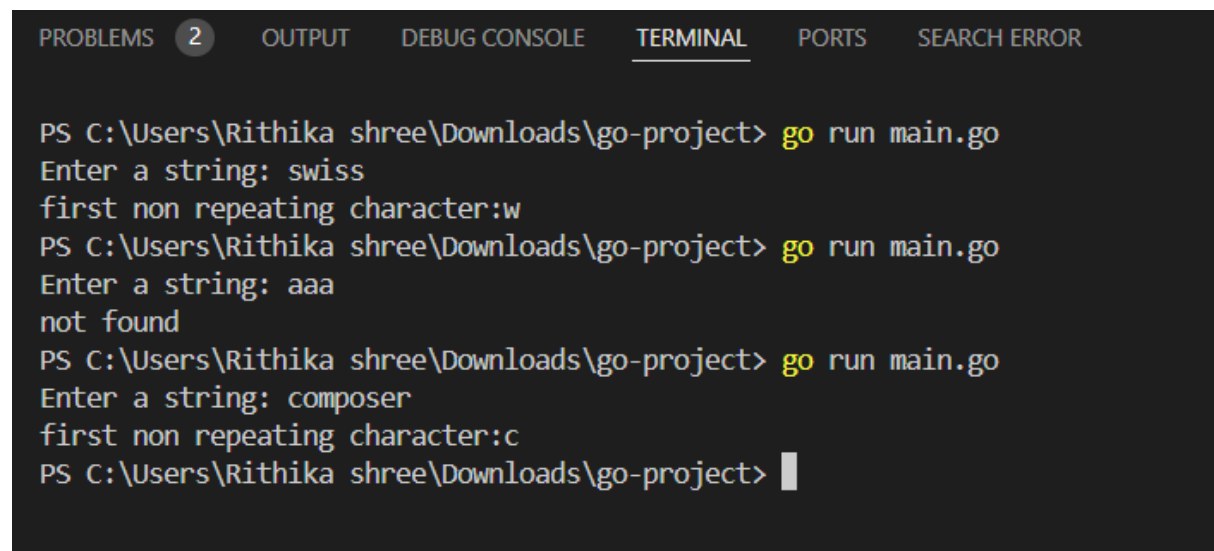
import (
    "bufio"
    "fmt"
    "os"
)

func main() {
    r := bufio.NewReader(os.Stdin)
    fmt.Print("Enter a string: ")
    s, _ := r.ReadString('\n')
    var f [256]int
    for i := 0; i < len(s); i++ {
        ch := s[i]
        f[ch]++
    }
    var res byte
    for i := 0; i < len(s); i++ {

        if f[s[i]] == 1 {
            res = s[i]
```

```
        break
    }
}
if res != 13 {
    fmt.Printf("first non repeating character:%c", res)
} else {
    fmt.Printf("not found")
}
}
```

## SAMPLE OUTPUTS



```
PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL PORTS SEARCH ERROR

PS C:\Users\Rithika shree\Downloads\go-project> go run main.go
Enter a string: swiss
first non repeating character:w
PS C:\Users\Rithika shree\Downloads\go-project> go run main.go
Enter a string: aaa
not found
PS C:\Users\Rithika shree\Downloads\go-project> go run main.go
Enter a string: composer
first non repeating character:c
PS C:\Users\Rithika shree\Downloads\go-project> |
```