

Mar 28, 23 20:04

main.s

Page 1/1

```
.data
    str: .asciz "This is a test String"
    suffix: .asciz "String"
    out_true: .asciz "true"
    out_false: .asciz "false"
    nl: .asciz "\n"

.text
.global main
main:
    // Load the target string address
    ldr x0, =str

    // Load the suffix string to find
    ldr x1, =suffix

    // Call the 'endwth' subroutine
    bl endwth

    // Print the output text
    ldr x0, =out_false
    cmp x0, x29
    b.eq is_true
    ldr x0, =out_true
is_true:
    bl putstring

    // Print newline
    ldr x0, =nl
    bl putstring

    // Setup the parameters to exit the program and then call Linux to do it
    .
    mov x0, #0 // Sets return code to 0
    mov x8, #93 // Service command code 93 terminates
    svc 0 // Call linux to terminate the program
```