

Mar 28, 23 19:30

main.s

Page 1/1

```
.data
prompt: .asciz "Does string Hello contain He? "
str: .asciz "Hello"
he_str: .asciz "He"
out_true: .asciz "true"
out_false: .asciz "false"
nl: .asciz "\n"

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

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

    // Call the 'strtwthpos' subroutine
    bl strtwthpos

    // 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
```