

Mar 24, 23 14:45

main.s

Page 1/1

```
.data
    str1: .asciz "this is a copied string :D"
    szcopy: .quad 0
    nl: .asciz "\n"

.text
.global main
main:
    ldr x0, =str1
    bl strcpy
    ldr x1, =szcopy
    str x0, [x1]

    // Print output text
    ldr x0, =szcopy
    ldr x0, [x0]
    bl putstring

    // Print newline
    ldr x0, =nl
    bl putstring
    ldr x0, =szcopy
    ldr x0, [x0]
    bl free

exit:
    // 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
```