

Mar 28, 23 21:09

main.s

Page 1/1

```
.data
    str1:  .asciz  "This is a copied string!"
    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
```