

Mar 14, 23 7:00

main.s

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```
/*
 * Test driver for "length"
 */
.data
    targ: .asciz  "This is a string."
    out:   .asciz  "Length is - "
    result: .skip  21
    nl: .asciz  "\n"
.text
.global main
main:
    //Load and calc string len
    ldr    x0,    =targ
    bl     length
    //Conv to s
    ldr    x1,    =result
    bl     int64asc
    //Print output text
    ldr    x0,    =out
    bl     putstring
    //Print result
    ldr    x0,    =result
    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
```