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lab13.s Tue Mar 07 16:27:16 2023
// Ezekiel Kim
// Lab 13
// Program to malloc and print
// Ezekiel Kim
// 3/7/2023
//
       .global _start // Provide program starting address
       .data
                    .asciz "Cat"
              szX:
              szY: .asciz "in the hat."
              ptrString: .quad 0
       .text
_start:
                    #18 // Bytes needed to store Cat in the hat
       mov
            x0,
           bl
            malloc
                            // Create memory allocation
       ldr
       str
       ldr
       ldr
       str
       mov
       strb
       ldr
       ldr
       ldr
       stp
       ldr
       ldr
       mov
       bl
// 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
             0
                    // Call linux to terminate the program
       svc
       .end
```