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I pledge my honor that I have abided by the Stevens Honor System.

Strcpy Function

```
ubuntu@ubuntu-VirtualBox: ~/shared/hw2
                                     4260068
                0x4100e4
x2
                                     4260093
                0x4100fd
x3
                0x18
                                     24
x4
                0x0
 strcpy.s
             global _start
        10
            _start
        11
        12
                      ADR
                                  src_str //loading the base address of the sour
                      ADR
                                   dst_str
                                             loading the base address of the des
remote Thread 1.3100 In: exit
                                                                      PC: 0x4000d8
                                                          b.eq
// b.none
  t () at strcpy.s:25
               04000d8 <exit+0>: 00 00 80 d2
                                                          x0, #0x0
        // #0
     x/s 0x4100fd
                 "I love 382 and assembly!"
```

It successfully copied the whole string from x1(src_str) to x2 (dst_str). It printed the second register which holds the destination string as it iterates through the first string and as it reaches the null terminator, it exits the loop.

Reverse Nibbles

```
ubuntu@ubuntu-VirtualBox: ~/shared/hw2
               0x0
x0
x1
               0x4101a0
                                     4260256
x2
x3
                                     18
               0x12
               0x1
x4
               0x2
               B wordswap
       83
       84
           exit: MOV X0
       85
                                0 //status := 0
                                         /exit is syscall #1
       87
                                    invoke syscall
       88
       89
emote Thread 1.3269 In: exit
                                                                L85
                                                                      PC: 0x400194
                                          60 01 00 54
                                                           b.ea
// b.none
    () at reverse.s:85
               400194 <exit+0>: 00 00 80 d2
                                                          x0, #0x0
       // #0
    x/3xw &arr
               0x01988765
                                 0xabdc9809
                                                  0x90adfb21
```

The reversing nibbles is functional because it reverses the array and the nibbles and then resets them in the array. It will swap the nibbles and then changes them in the array.