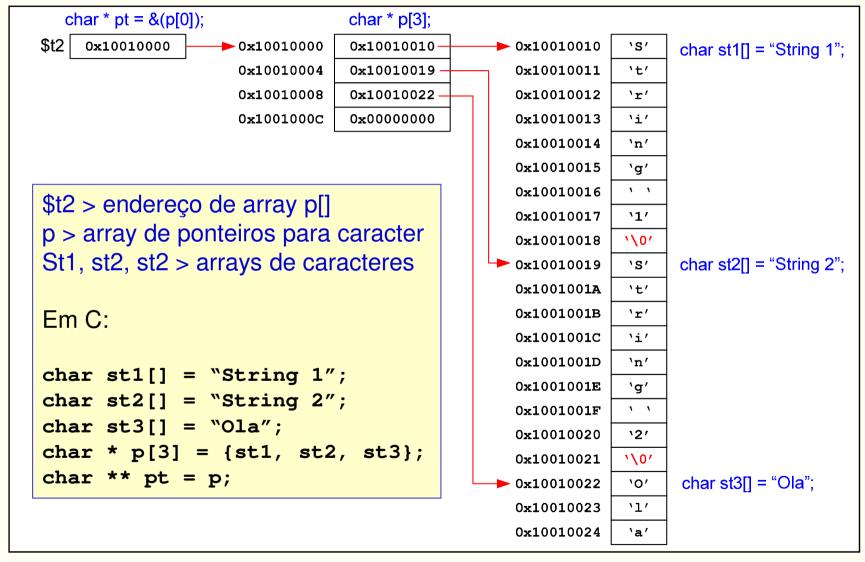
Aula prática 6

- Utilização de ponteiros em linguagem C arrays de ponteiros para caracter.
- Tradução para assembly.

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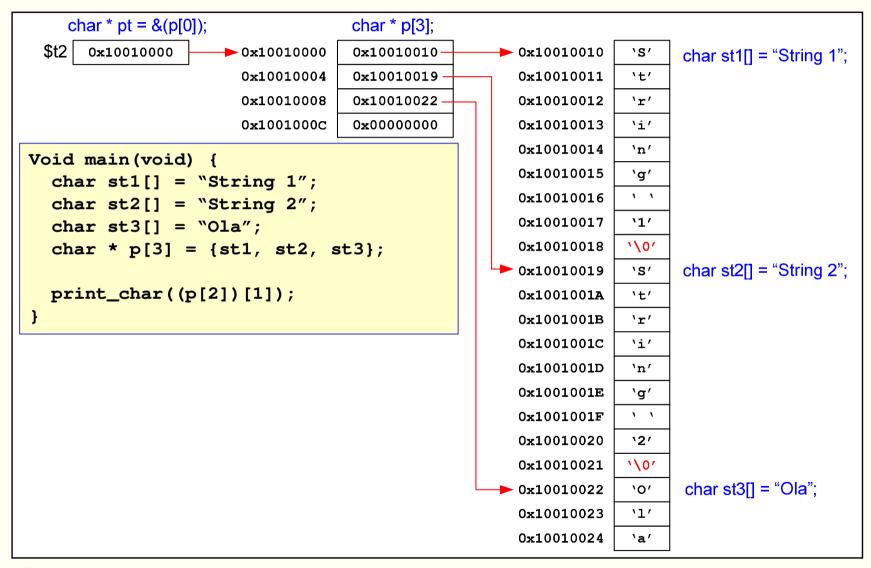


Arrays de ponteiros para caracter.





Arrays de ponteiros para caracter.



Arrays de ponteiros para caracter.

```
char * pt = &(p[0]);
                                    char * p[3];
 $t2 | 0x10010000
                      ► 0x10010000
                                    0x10010010
                                                     > 0x10010010
                                                                   `S'
                                                                         char st1\Pi = "String 1":
                       0 \times 10010004
                                    0x10010019
                                                       0x10010011
                                                                   ۱t/
                       0x10010008
                                    0x10010022
                                                       0x10010012
                                                                   'r'
                       0x1001000C
                                    0x00000000
                                                       0 \times 10010013
                                                                   ۱i'
                                                       0x10010014
                                                                   'n'
Void main(void) {
                                                       0x10010015
                                                                   ۱α′
  char st1[] = "String 1";
                                                       0x10010016
  char st2[] = "String 2";
                                                                   111
                                                       0 \times 10010017
  char st3[] = "Ola";
                                                                   1/0/
                                                       0x10010018
  char * p[3] = {st1, st2, st3};
                                                                         char st2[] = "String 2";
                                                     0x10010019
                                                                   \S'
  print_char((p[2])[1]);
                                                       0x1001001A
                                                                   ۱t
                                                       0x1001001B
                                                                   'r'
                                                       0x1001001C
                                                                   \i'
main:
                                                       0x1001001D
                                                                   'n'
          $t0, p  $t0 = 0x10010000
    la
         li
                                                       0x1001001E
                                                                   ۱q′
    $11 $t1, $t1, 2 $t1 = 2 * 4 = 8
                                                       0x1001001F
    addu $t1, $t1, $t0 # $t1 = 0x10010008
                                                       0x10010020
                                                                   121
          $t2, 0($t1)  # $t2 = 0x10010022
                                                       0 \times 10010021
                                                                   1/0/
    addiu $t2, $t2, 1 $t2 = 0x10010023
          $a0, 0($t2)
                           \# \$a0 = `1'
                                                                         char st3[] = "Ola";
                                                     ► 0x10010022
                                                                   101
          $v0, 11
    1i
                                                                   11'
                                                       0x10010023
                           # print_char('l');
    syscall
                                                       0x10010024
                                                                   `a′
```

Arrays de ponteiros para inteiros.

