

SLIDE 58

The segment of the stack containing procedure's saved registers / local voriables

-> procedure frome

from pointer (\$fp) -> point to first word of frome of a procedure

· Reference variables via stable frame panter (\$fp)

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16 \$to, 20 (\$s3)

load a byte from menon

10 111010 Co...00 (00...00 (0101110)

Representing Strings

- 1) First position gives the leighth of str.
- 2) Accompanying variable has the length
- 3) last position of string has end of string mother.

A string in C: "Cal" > 4 bytes

67 97 108 Ø)
end of str.

(nulling AscII)

Void stropy (char x [], char y[])

int i;

i=0;

while ((x[i]=y[i])!=10)

i+=1;

Addr of x, y in \$00, \$01

i \rightarrow \$50

\$t1 \leftarrow Addr of y[i] (\$50+ \$01)

* Not multiply i by 4

with: y is an array of bytes not words.

Exit the loop if character was \$1

(last char of string)