





R1 (input) holds the string to be printed.

*These interfaces are NOT up to you...sorry.

ECE 220: Computer Systems & Programming © 2018 Steven S. Lumetta. All rights reserved.

slide 4

1



Does Borrow Mean What I Think It Means?

Borrow: one word, many meanings!

Ambiguity is ok in English and other human languages.

We figure it out.

Ambiguity is NOT ok in digital systems.

When you write a subroutine, make ownership of registers and side effects clear!

ECE 220: Computer Systems & Programming © 2018 Steven S. Lumetta. All rights reserved.

rights reserved.

slide 7





Also Document Any Side Effects

What are side effects?

- Any change to memory (other than to memory used exclusively by the subroutine)
- Any I/O performed by the subroutine (except for I/O specified as part of the subroutine's behavior).

Always document any side effects clearly.

ECE 220: Computer Systems & Programming © 2018 Steven S. Lumetta. All rights reserved.

reserved.

slide 11

