CS 301 Lab 9

Factorial.s

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Source code

Successful build

```
; Allocate space on the stack for local variables ; Store the input number on the stack
                                                                                         ; Decrement R1 (n-1)
; Preserve original value of R1
; Recursive call with n-1
; Load the original value of n
                                                                                        ; Load the address of R4 into R3 ; Multiply the result by n
                                                                                         ; Deallocate space on the stack
; Restore original value of R1
       WidoUpput
"Using Compiler "V3.06 update 3 (build 300)", folder:
illd target "Target I'
(\text{Objects\label} assf" = 0 Error(s), 0 Marning(s).
illd Time Elapsed: 00:00100
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```

Registers post run

