10/30/2023 Noah Semashkewich COSC 211 Lab 4 Written (1) a) data My-global: , word 100 .text global main main: la \$00, my-global lw \$10, my-global lw \$11, 0 (\$10) add: \$11, \$11 1 #my-global += 1; sw \$11,0(\$10) add \$00, \$200, \$13 #+3=X jal leaf function add \$++, \$zero, \$v0 1: \$v0, 10 Hexit syscall leaf- Funcition: add: \$50, \$200, \$00 add: \$50, \$200, \$ istra

	b) The stack points starts at Ox7ffffffe. Before the proceduce is called the stack looks
->	\$50 Ox7ffffffe After the procedure call, space will be created to store tra and \$100,50 the stack needs to store two items
->	0x7ffffff Ox7fffff will store tall, and ox7ffffff Ox7fffff will store tra, when store to the control returns back to the color function, storek will load these solves and slock will load the
->	stort of Function

leaf_function add: \$5p, \$zero, -4 5w \$10, 0(95p) add: \$10,5zero,\$00 add: \$10,5zero,\$10 add \$10,5zero,\$10 additsp , \$5p, 4 ir Fra (2a) hello world 0x68 0x65 0x6C 0x6C 0x6F 0x77 0x6F 0x72 0x6C 0x6+ 0x68 0x65 0x6C 0x6C 0x6F 0x77 0x6F 0x72 0x6C 0x64 0x00 6) 0123456789 = 0,30 0,31 0,32 0,33 0,34 0x35 0x36 0,37 0,38 0,39 0x00