Summer 2025 Operating Systems

CSSE 332 -- OPERATING SYSTEMS

Introduction to Memory Organization and Safety

Name:	
Question 1. (5 points) command should you	Before running anything in the three sessions, and for the next lab, which always run first?
Question 2. (5 points)	After each session and after the lab, which command should you run?
	Assume we make a function call to a function foo. How does foo know go back to once it returns?
Question 4. (5 points) RISC-V architecture?	In the i386 architecture, where is this value stored? What about the

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Questio	on 5 . Assume we would like to make a call to the function foo with arguments $(1, 2, 3)$.
(a)	(5 points) How are the arguments 1, 2, and 3 passed to foo in the i386 architecture?
(b)	(5 points) Write down the i386 instructions that correspond to the C statement foo(1,2,3)
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-	on 6. (5 points) Assume the function foo creates three local variables x, y, and z. Where x, y, and z stored with respect to the foo's arguments?
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	on 7. (5 points) What do we call the area of memory that contains a function's return rmation, its arguments, and its local variables?
-	on 8. (10 points) Based on your previous answers, draw that area of memory for a call (1,2,3) to a function foo that defines two local variables, x and y.