

Central Processing Unit

Extension Assignment Rubric

Check Items

Description	Points	Comments	Grade
A video demonstration shows Alpine Linux booted in an x86_64 QEMU virtual machine.	10		
CPU model information is shown for the first x86_64 boot.	10		
A second CPU model is shown using a second x86_64 boot.	5		
A correct explanation of CPU flags is provided.	10		
A video demonstration shows Alpine Linux booted in an AArch64 QEMU virtual machine.	10		
CPU model information is shown for the first AArch64 boot.	10		
A second CPU model is shown using a second AArch64 boot.	5		
The differences between AArch64 CPU models are correctly explained, referencing the physical hardware emulated by QEMU (if applicable).	10		
A video demonstration shows a system running that has an architecture other than x86_64 or AArch64.	10		
The instruction set architecture for the other architecture is correctly identified.	10		
The other system being emulated is correctly identified as to whether or not it is a System-on-a-Chip.	10		
MAXIMUM GRADE:	100	Hypothetical Grade:	

Grade

Calculation Algorithm	Your Grade
If Hypothetical Grade ≥ 70 then enter Hypothetical Grade Else enter 0	x

A grade of 85 or higher is required to be able to continue onto the Challenge Assignment. As a result, you MAY [NOT] submit a Challenge Assignment in this course.

Remarks

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