Computer Structure and Language

The 8086/8088 Assembly Language

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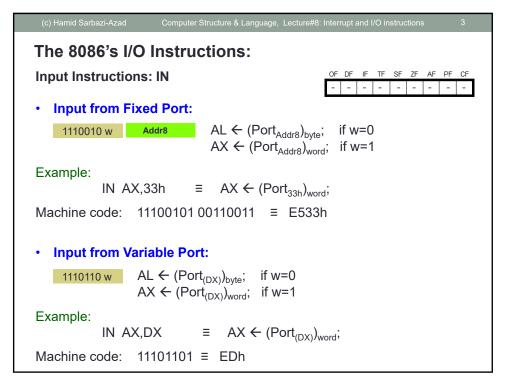
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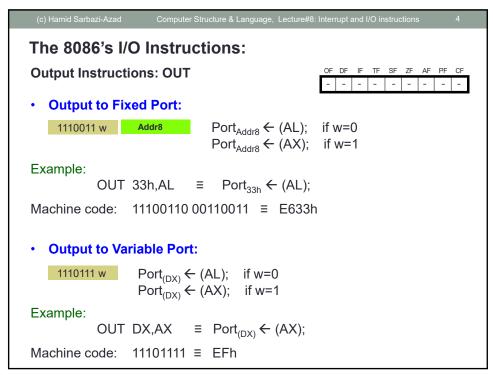
Computer Structure & Language, Lecture#8: Interrupt and I/O instructions

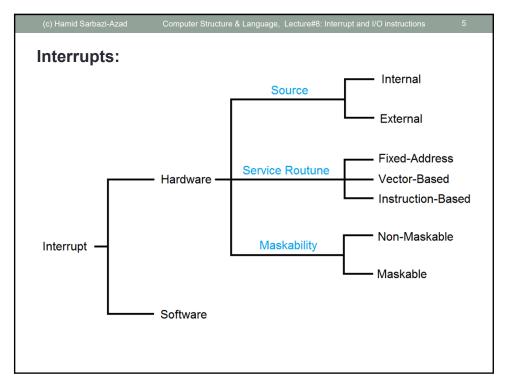
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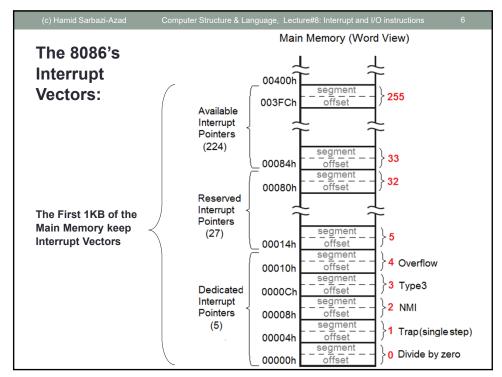
8086/88 has 7 types of instructions:

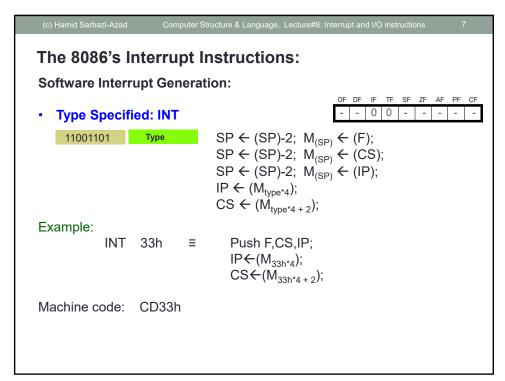
- 1. Data Transfer Instructions (I/O instructons)
- 2. Arithmetic Instructions
- 3. Bit Manipulation Instructions
- 4. String Instructions
- 5. Program Execution Transfer Instructions
- 6. Processor Control Instructions
- 7. Interrupt Instructions

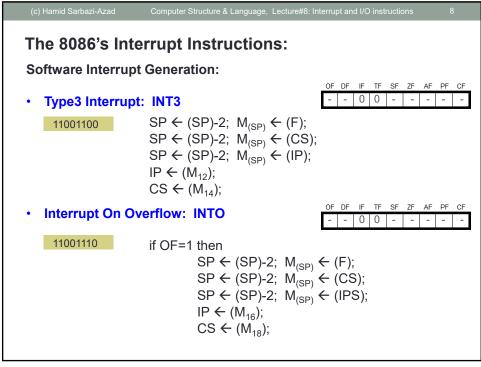












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The 2026's Inte	rrunt Instructions:	
The 8086's Interrupt Instructions:		
Return from Interru	-	
Interrupt Return	OF DF IF TF SF ZF AF PF CF]
11001111	$\begin{split} & \text{IP} \leftarrow (M_{(\text{SP})}); \text{SP} \leftarrow (\text{SP}) + 2; \\ & \text{CS} \leftarrow (M_{(\text{SP})}); \text{SP} \leftarrow (\text{SP}) + 2; \\ & \text{F} \leftarrow (M_{(\text{SP})}); \text{SP} \leftarrow (\text{SP}) + 2; \end{split}$	

