edX   👤 KarenWest ▼

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How to Use Jade

At 1:45 in the video the third bullet should say, "Address is formed by adding the base address."

DATA MOVEMENT INSTRUCTIONS

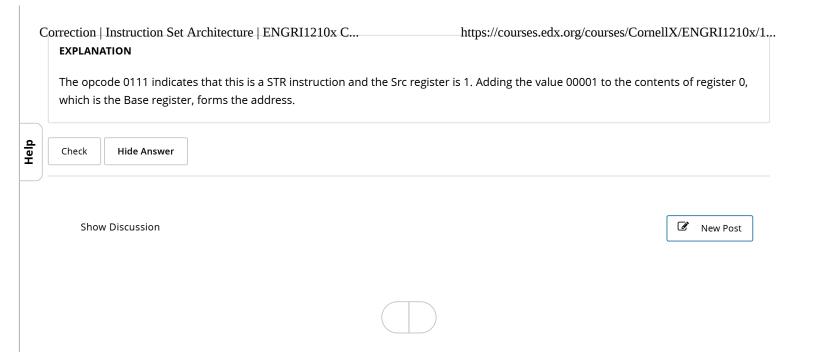|		
2:57 / 2:57	**1.0x**	

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1. CHECK YOUR UNDERSTANDING (1/1 point)

What operation is performed by the LC-3 instruction 0111001000000001?

- ⚪ The value in memory location 1 is loaded into register 1.

- ⚪ The value in register 1 is stored into memory location 1.

- ⚪ The value 1 is added to the contents of register 1 and the result is stored in register 0.

- 🔘 The value 1 is added to the contents of register 0 and that address in memory is overwritten by the contents of register 1.
  ✔️

EXPLANATION

The opcode 0111 indicates that this is a STR instruction and the Src register is 1. Adding the value 00001 to the contents of register 0, which is the Base register, forms the address.

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