

Fetch-Execute Cycle

Introduction

The Fetch-Execute Cycle is the sequence of operations involved in carrying out an instruction.

The following activities will aid your understanding of this sequence.

Questions Answer the following questions.				
1. Lab	el the follow	wing diagram to show the different parts of a machine instruction:		
2. Nar		registers involved in the FE-Cycle and explain the role each of them		
3.Desc	cribe and ex	xplain the FE-Cycle in your own words		



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Answer the following questions.

4. What does [PC]	represent in register transfer notation?
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5.	What does	←	represent in	register	transfer	notation?
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6. Write the FE cycle in register transfer notation:

7. Create an animated powerpoint presentation to describe the execution of the

following program:

100	LDA 105
101	ADD 106
102	STA 107
103	RTS
104	
105	64
106	32
107	