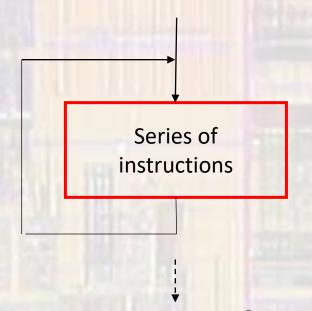
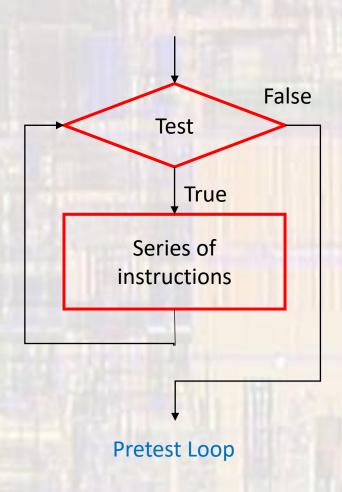
Last updated 12/2/22

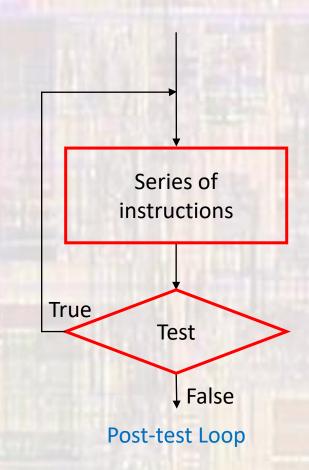
These slides outline repetition schemes

- Repeat a series of instructions loop
 - How many times
 - Under what conditions
 - Test to determine if we are done



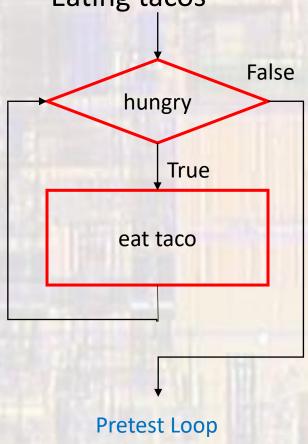
Loop Testing

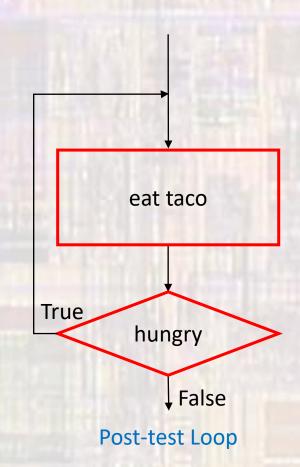




Loop Testing

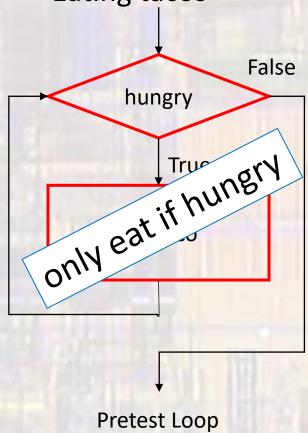
Eating tacos

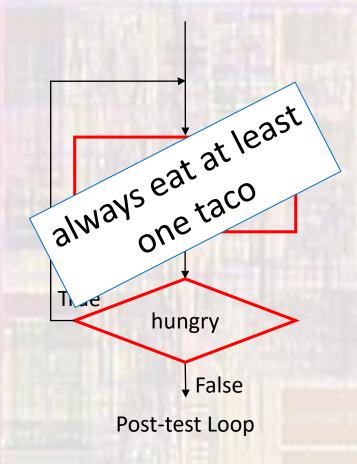




Loop Testing

Eating tacos

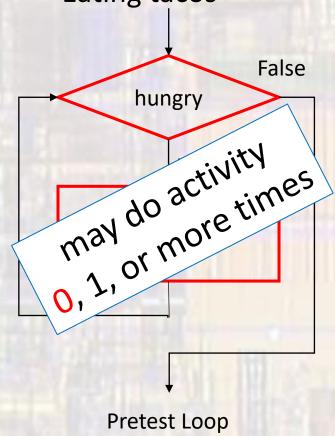


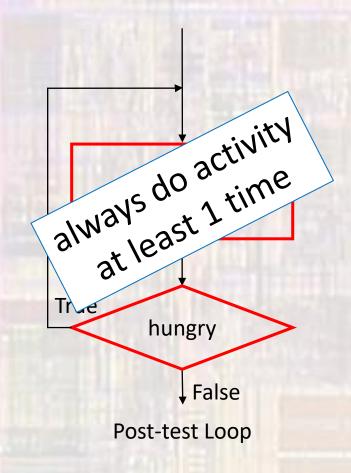


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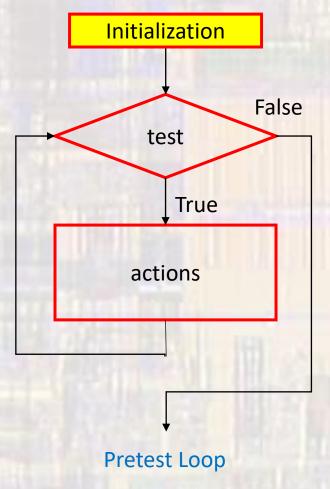
Loop Testing

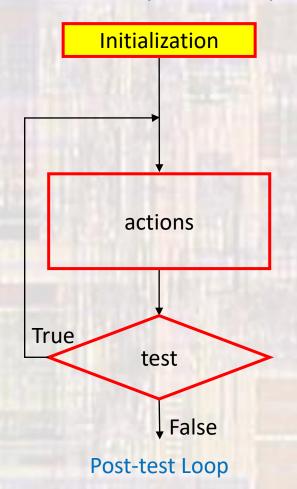
Eating tacos





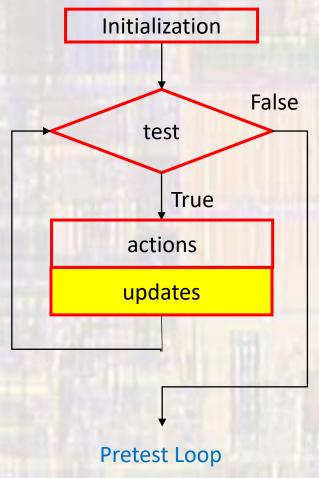
- Loop Initialization
 - Initialize any required loop parameters (variables)

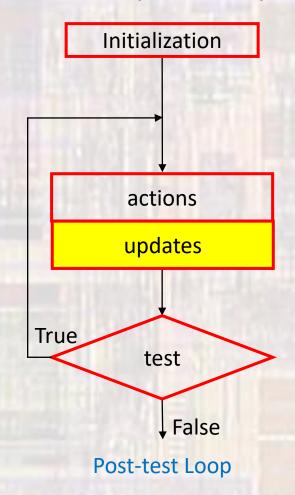




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- Loop Update
 - Update any required loop parameters (variables)





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Loop Comparison

	Pretest	Post-test
Initialization	1	1
# of tests	n+1	n
Actions executed	n	n
Updates executed	n	n
Min iterations	0	1

- Loops in C
 - while
 - pretest loop
 - for
 - pretest loop
 - do ... while
 - post-test loop