

LC 3	Name	Section Day(s)	Section start time	System diagramming You've practiced program flow diagramming to map out the logic of if() and while() controlled blocks. Transfer the essential if() and while() logic components from your overall program flow diagram into the space below.															
Component Language Core		Module Control of flow with if() and while()																	
Work commenced on:		Work wrapped up on:																	
<p><i>Module Overview:</i></p> <p>Computer programs pay their rent by making decisions about what to do (i.e. what lines of code to execute) based on variable values² meaning values that we don't know before the program runs.</p> <p>User input, for example, comes from the user—not the programmer—and is therefore unknown before the program runs. Using if() and while()-controlled blocks allow us to instruct the computer: <i>"If the user says they're 21 years old, do not allow them to view any menu items that contain alcohol."</i> This is not only really handy, but is easy to do in Java!</p>																			
<p><i>Learning objectives</i></p> <p>Assemble all of these items and slide them into this document folded <i>ham burger style</i>. Place on the right pocket of your folder, please.</p>				<p>The Heart of the Matter</p> <p>1) What roles did the if() and while()-controlled blocks play in protecting your secret data?</p> <p>2) Why do we call if() and while() close relatives? Please slow down and compose a thoughtful answer. (Feel free to type it and slide it into the ham burger.)</p>															
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