This week I have learned to:

* Read and write if statements with multiple comparisons in the condition.
* Understand the logical operators: Not (!), And (&&), Inclusive Or (||), and Exclusive Or (^).
* Use the logical operators to refine online searches.
* Write truth tables to help evaluate and rewrite logical expressions.

I have learned that logical expressions can be written in many different ways that resolve to the same result. A double ended arrow is used to show two different logical expressions that resolve to the same result. Such expressions are not the same and are not equal but are equivalent.

This week I was also able to:

* Distinguish between pre-test and post-test loops.
* Distinguish between counting and sentinel controlled loops.
* Know when to use a pre-test or post-test loop and when to use a counting or sentinel controlled loop.
* Read and write while, for, and do-while loops that cause a computer to repeat a group of statements.
* Know that the keyword break inside a loop causes a computer to end a loop prematurely and is normally used inside an if statement that is inside a loop.

I am grateful that I got help from my peers on my mistakes on how I miscalculated my discount by using the wrong value. If It wasn’t for hem I wouldn’t have noticed that.