CB U3.8 & U3.9: Iteration & Developing Algorithm

Iteration

Iteration is the repeating of a portion of a algorithm until a condition is met or for a specific # of times.

Iteration repeatedly does something to get closer to the goal until the goal is reached.

Iteration changes the control flow by repeating a set of statements continuously.

`REPEAT UNTIL <expr>` will not execute if the condition is true initially.

Developing algorithms

Use conditional statements to achieve the desired output from all combinations of possible inputs. Algorithms may be written in various styles and still accomplish the same result. They can be created from existing algorithims or a combination of both existing and new algorithims.

Similar algorithms can produce different outputs.