**Lesson 10 – Repetition**

* **Repetition is a type of programming structure**
* **Repetition Structure** = A point where a block of code is repeated 0 or more times
  + An ending condition is set, and the loop continues to execute a block of code until the condition is met.
* **For Loop (Counted Loop)** = Repeats the code a set number of times
  + **Sections:**
    - **Section 1 =** for
    - **Section 2** = Control Statements
      * **Initialization** = Assigns an initial value to the loop counter
      * **Test Condition** = Statements will only run if it evaluates to true
      * **Incrementation** = Updates loop index by incrementing or decrementing the loop counter
    - **Section 3** = Body of Repetition (code being repeated)
* **While Loop (Conditional Loop)** = Repeats the code indefinitely until a condition is met
  + **Sections:**
    - **Section 1 =** while
    - **Section 2 =** Control Statements
    - **Section 3 =** Body of Repetition
* **Do While Loop** = Code runs at least once as the condition is tested at the end
  + Rarely Used
* **Nested Loop** = 1 or more loops within a loop