Vocabulary Chapter 06

**Loop:** a structure that allows repeated execution of block statements

Iteration: one loop execution

Loop Control Variable: a variable whose value determines whether loop execution continues

**WHILE** Loop: executes a body of statements continually as long as the bool expression that controls entry into the loop continues to be true

**FOR** Loop: a special loop that can be used when a definite number of loop iterations is required

**DO… WHILE** Loop: executes a loop body at least one time; it checks the loop control variable at the bottom of the loop after one iteration has occurred

Definite Loop: executes a predetermined number of times; aka counter-controlled loop, counted loop

Indefinite Loop: the final number of loops in unknown

Event-Controlled Loop: an indefinite loop in which the number of executions is determined by the user

Infinite Loop: a loop that never ends

Incrementing: increases the variable by 1

Counting: the process of continually incrementing a variable to keep track of the number of occurrences

Accumulating: the process of repeatedly increasing a value by some amount to produce a total

Decrementing: reduces the variable by 1

Sentinel: a value that stops a loop

Validating Data: the process of ensuring that a value falls within a specified range

Priming Read/Input: the first input statement prior to a loop that will execute subsequent input statements for the same variable

Do-Nothing Loop: performs no actions other than looping; no loop body

Pretest Loop: the loop control variable is tested before the loop body executes

Posttest Loop: the loop control variable is tested after the loop body executes

Inner Loop: contained entirely w/in another loop

Outer Loop: contains another loop

Loop Fusion: the technique for combining two loops into one

Prefix Increment Operator ++x 🡪 adds to variable, then evaluates it

Postfix Increment Operator x++ 🡪 evaluates variable, then adds to it

Prefix & Postfix Decrement Operators -- -- 🡪 subtracts from variable