Java Class

The For Loop

9th June 2020

OVERVIEW

Loops are another major coding structure. They allow us to repeat the same line/lines of code many times and allow for counting (among other features) This write-up will cover the first type of loop, **FOR**

GOALS

1. Learn about the for loop and its applications
   a. **VOCAB**
      i. loop
      ii. iteration
      iii. Local variable
      iv. Condition

2. Understand how to implement a loop

PROJECT

Summation

In mathematics, the symbol Σ (sigma) is generally used to denote a sum of multiple terms in an equation. You can think of it as *LOOPING* over the numbers and adding it to a specific sum then returning the value of that sum. Your task today will be:

1. **Create a loop that iterates 100 times**
2. **Sum all the numbers from 0 - 100 using the loop, then return the value of the sum (print it out)**
3. **BONUS: Print out the sum of only odd numbers, only even numbers, and try to increase the maximum number of iterations**