Difference Between
For Loops

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Introduction

Hello and Welcome, My name is Rex Jones II. In this video, we are going to look at the difference between Java's Traditional For Loop and Enhanced For Loop.

Demo

The 1st block of code is Java's traditional for loop and the 2nd block is an enhanced for loop. Let's start with the traditional for loop. To calculate the sum, each element in the array is read from start to finish: 10, 20, 30, 40, 50. We accomplish that calculation by indexing i to the array called value. i is the loop control variable initialized to 0. We must increment the loop control variable by 1.

The enhanced for loop removes the need to add a loop control variable, determining the starting and ending value, incrementing the loop controller, and indexing the array. In fact, The enhanced for loop automatically provides a value to x with each pass through the loop. Therefore, the first iteration x equals 10, on the second iteration x equals 20, and continue until x equals 50.

We can use the traditional for loops for collections but the enhanced for loop was designed for collections such as an array. Also, the enhanced for loop prevents boundary errors. That's the difference between Java's For Loop and Enhanced For Loop.