Core Java - Exercise - Loops

Start Assignment

* **Due** No Due Date

* **Points** 100

* **Submitting** a website url or a file upload
* Write a program that uses a for-loop to loop through the numbers 1-10 and prints out each number.

* Write a program that uses a while loop to loop through the numbers 0-100 in increments of 10 and prints out each number.

* Write a program that uses a do-while-loop to loop through the numbers 1-10 and prints out each number.

* Write a program that uses a for-loop to loop through the numbers 1-100. Print out each number if is a multiple of 5, but do not print out any numbers between 25 and 75. Use the “continue” statement to accomplish this.

* Write a program that uses a for-loop to loop through the numbers 1-100. Print out each number if is a multiple of 5, but do not print out any numbers greater than 50. Use the “break” keyword to accomplish this.

* Write a program that uses nested for-loops to output the following:

Week 1:

Day 1

Day 2

Day 3

Day 4

Day 5

Week 2:

Day 1

Day 2

Day 3

Day 4

Day 5

* Write a program that returns all the available palindromes within 10 and 200. The following output will be produced:

11, 22, 33, 44, 55, 66, 77, 88, 99, 101, 111, 121, 131, 141, 151, 161, 171, 181, 191,

* Write a program that prints the Fibonacci Sequence from 0 to 50. The following output will be produced: 0, 1, 1, 2, 3, 5, 8, 13, 21, 34,

* Write a program that nests a for-loop inside another. Print out the inner and outer variable (e.g., i or j) in the inner loop (e.g., System.out.println("Inner loop: i: " + i + ", j: " + j);).