CISC 3130 Section MY9 --- Practice Problem 1
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Workbook: Chapter 1 ----- Problem 8:

For the following formula f(n) = 3n+1, as n increases from 1 to 10, what is the resulting output? Write the number as a series.

Process: WorkbookChapter1Problem8.java

Answer:
When n goes from 1 to 10, f(n) = 3n+1 should have the result on this:
[4, 7, 10, 13, 16, 19, 22, 25, 28, 31]

Workbook: Chapter 1 ---- Problem 15:

Rank these functions according to their growth, from the most expensive to the least expensive.
n n^3 1 (3/2)n n^2 2n log2(n)

Process: WorkbookChapter1Problem15.java

Answer:
If n is a positive number:
[n^3, n^2, 2n, (3/2) * n, n, log2(n), 1]
If n is a 0:
[1, n, (3/2)n, 2n, n^2, n^3, log2(n)]
If n is a negative number:
[n^2, 1, n, (3/2) * n, 2n, n^3, log2(n)]