

1 - to indicate faster
Exec
time.

27/10/23

WK 7 Assessment.

(Execution-time).

Comparing results for the following arrays.

- tiny Arrays (TA)
- small Arrays. (SA) mill is faster.
- medium Arrays (MA)
- Large Arrays. (LA)
- Extra Large Arrays (ELA)

tiny Array.

E.T

millisecond
9 micro
seconds

Function Double Insert = 41.6 MS ← 1

// Double Append = 102. MS ← 2

Small Array.

Function Double Insert = 50.6 MS - 1

// Double Append = 116.5 MS - 2

medium Array

Function Double Insert = 213.1 MS - 2

// Double Append = 176.3 MS - 1

Large Array

function

Double Insert = 9.9873 ms - 2

Double Append = 569.1 MS - 1

Extra Large Array:

Function Double Insert = 993.9185 ms - 2

Double Append = 3.3399 ms - 1



Trends;

1. For the Smaller Arrays the Double Insert function records a faster execution time medium -
2. For the larger Arrays the Double Append records a faster execution time.

In terms of Scalability the Double Append Function would scale better with faster execution speeds based on the trends identified.