

Activities

Firefox Web Browser

Aug 17 5:22 PM

Radix Sort Experiment - Mozilla Firefox

DS Classes - Google Form XDS Classes (Responses) - XAugust Challenge 2020 XCP-Buddy-Series/Week-1 X(57) Dynamic Programmi XRadix Sort Experiment XQuick Sort Experiment X

ds2-iiith.vlabs.ac.in/data-structures-2/exp/radix-sort/exp.html#Pre-Test Quiz

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Radixsort

Pre-Test

Recap

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Radix Sort

Analysis

Post Test

Further Readings/References

Feedback

Radixsort

🏆 Your score: 4/4

Multiple Choice Questions

Correct

Q1. Which of these best describes an array?

☐

(A) A data structure that shows a hierarchical behavior

☒

(B) Container of objects of similar types ✓

☐

(C) Container of objects of mixed types

☐

(D) All of the mentioned

Explanation

An array is a data structure, which can store a fixed-size collection of elements of the same data type.

Correct

Q2. What is the time complexity of insertion at any point on an array?

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Radixsort

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Radix Sort

Radixsort : Concept

Radixsort : Algorithm

Radixsort : Demo

Radixsort : Practice

Radixsort : Exercise

Analysis

Time and Space Complexity

Stable and Comparison sort

Comparison with other algorithms




Analysis Quiz


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 Your score: 3/3

Multiple Choice Questions

Correct

Q1. What is the complexity of Radix sort?

☐ (A) Best case $O(nk)$

☐ (B) Best case $O(n^2)$

☐ (C) Worst case $O(n^2)$

☐ (D) Average case $O(nk)$

☒ (E) A and D ✓

Explanation

Best case is $O(nk)$ and average case is also $O(nk)$. Procedure remains the same and the algorithm iterates over all elements regardless.

Correct

