Sortari

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Sortari implementate in Python

- Radix Sort
- Merge Sort
- Shell Sort
- Quick Sort
- Counting Sort

Timpii de rulare pentru Testul 1
N=100, MAX=10^5

- Radix Sort- 0.0 secunde

- Merge Sort- 0.0 secunde

- Shell Sort- 0.0 secunde

- Quick Sort- 0.0 secunde

- Metoda sort()- 0.0 secunde

- Functia sorted()- 0.0 secunde

Counting Sort- 0.02398 secunde

Timpii de rulare pentru Testul 2
N=10^5,Max=100

- Metoda sort()- 0.08502 secunde

- Functia sorted()- 0.09609 secunde

- Counting Sort- 0.12001 secunde

- Radix Sort- 0.24947 secunde

- Quick Sort- 0.38404 secunde

- Shell Sort- 0.57680 secunde

- Merge Sort- 0.63316 secunde

Timpii de rulare pentru Testul 3
N=10^5, Max=10^5

- Functia sorted()- 0.09849 secunde

- Metoda sort()- 0.12813 secunde

- Counting Sort- 0.17600 secunde

- Quick Sort- 0.38811 secunde

- Radix Sort- 0.41719 secunde

- Merge Sort- 0.70705 secunde

- Shell Sort- 1.02528 secunde

Timpii de rulare pentru Testul 4
N=10^3, MAX=10^7

- Metoda sort()- 0.01201 secunde

- Quick Sort- 0.01575 secunde

- Functia sorted()- 0.015996 secunde

- Merge Sort-0.01600 secunde

- Radix Sort- 0.01626 secunde

- Shell Sort- 0.0825 secunde

- Counting Sort- 2.29235 secunde

Timpii de rulare pentru Testul 5
N=10^7, MAX=10^3

- Metoda sort()- 10.92375 secunde

- Functia sorted()- 11.07764 secunde

- Counting Sort- 12.22280 secunde

- Radix Sort- 40.50882 secunde

- Quick Sort- 62.40975 secunde

- Merge Sort- 90.89926 secunde

- Shell Sort- 156.78852 secunde

Timpii de rulare pentru Testul 6
N=10^4, MAX=10^4

- Metoda sort()- 0.01625 secunde
- Functia sorted()-0.01728 secunde
- Counting Sort- 0.02418 secunde
- Radix Sort- 0.04068 secunde
- Quick Sort- 0.0407 secunde
- Merge Sort- 0.05629 secunde
- Shell Sort- 0.06427 secunde

Timpii de rulare pentru Testul 7
N=10^4, MAX=10^5

- Functia sorted()- 0.02435 secunde
- Metoda sort()- 0.03118 secunde
- Quick Sort- 0.04029 secunde
- Radix Sort- 0.04835 secunde
- Merge Sort- 0.05626 secunde
- Shell Sort- 0.06607 secunde
- Counting Sort- 0.06812 secunde

Timpii de rulare pentru Testul 8
N=10^5, MAX=10^4

- Metoda sort()- 0.10618 secunde

- Functia sorted()- 0.11262 secunde

- Counting Sort- 0.16022 secunde

- Radix Sort- 0.39983 secunde

- Quick Sort- 0.45661 secunde

- Merge Sort- 0.66665 secunde

- Shell Sort- 0.93573 secunde