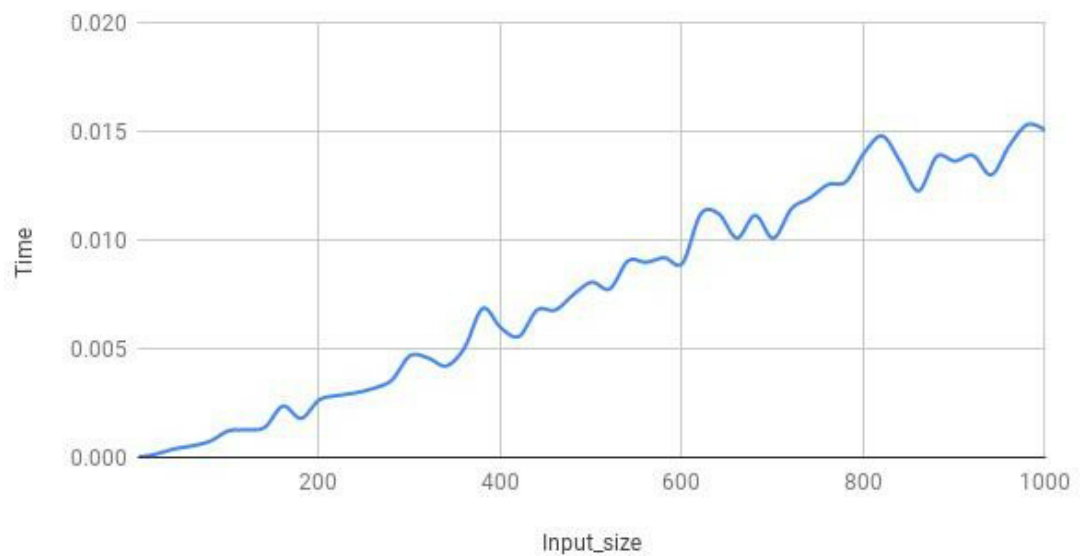# Nisarga S 1BM20CS412

CONSTRAINT:rand()doesn'tgenerate uniquenumbers,repetitionispossible
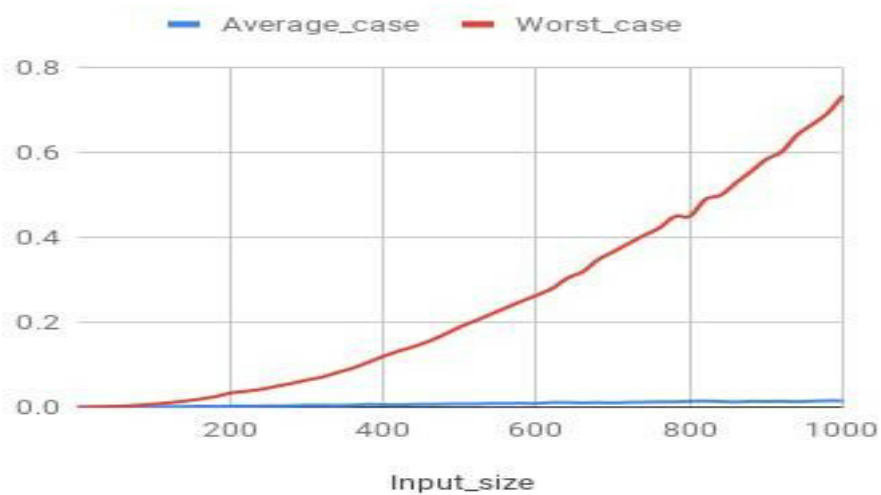
QUICKSORT

AVERAGECASE:randominputisconsideredhere

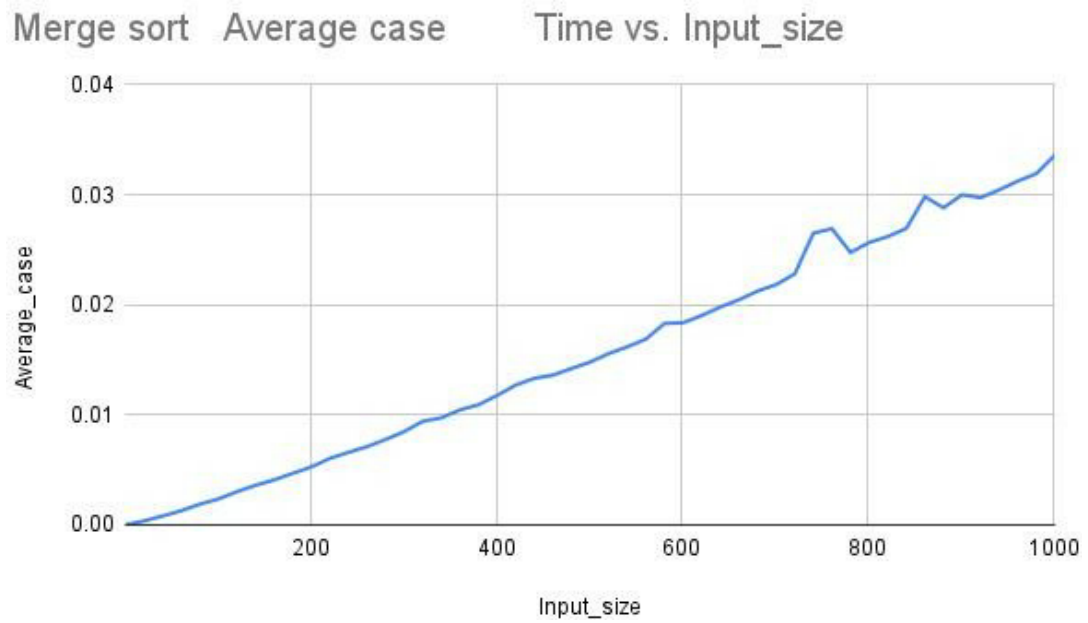Time vs. Input_size

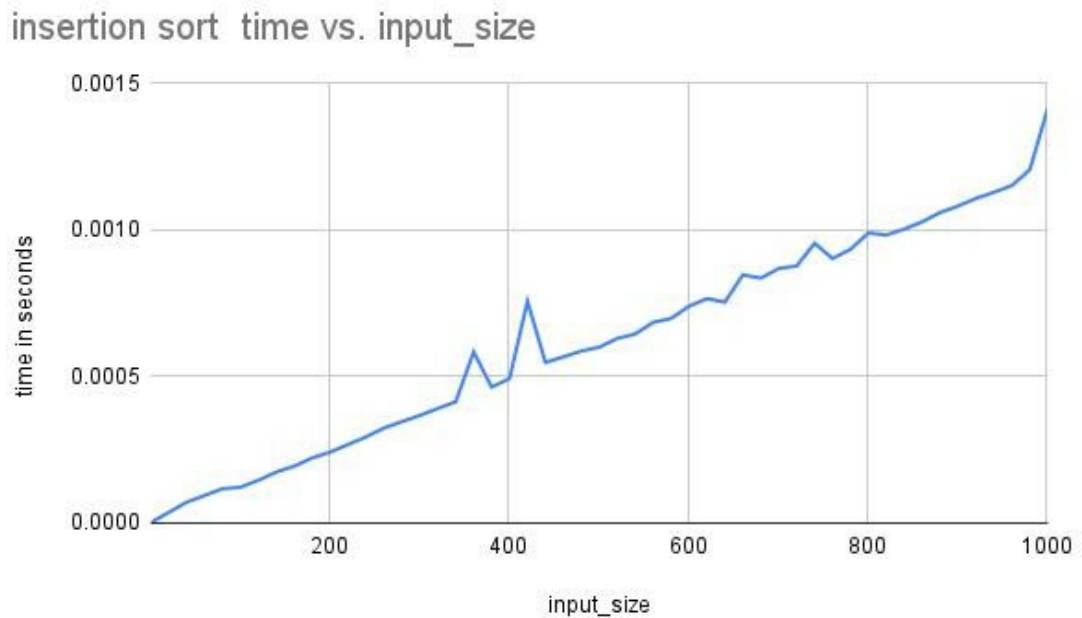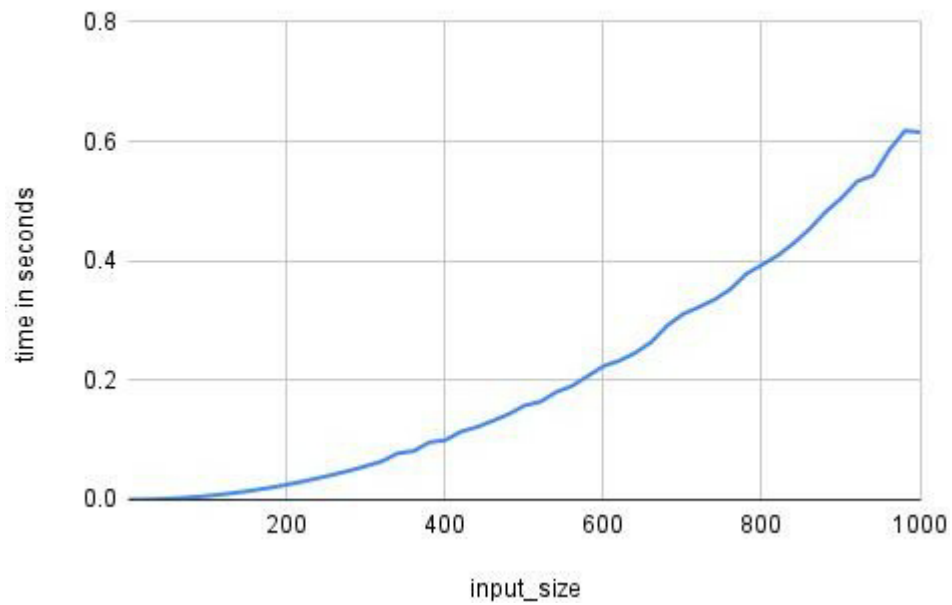AVERAGECASEVSWORSTCASE:

Average_case and Worst_case

MERGESORT:

Merge sort   Average case   Time vs. Input_size

INSERTIONSORT:BESTCA

SE:

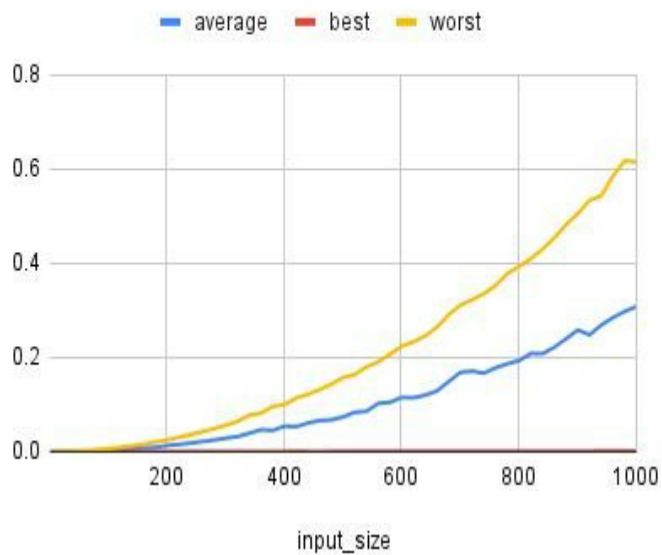
insertion sort time vs. input_size

WORSTCASE:

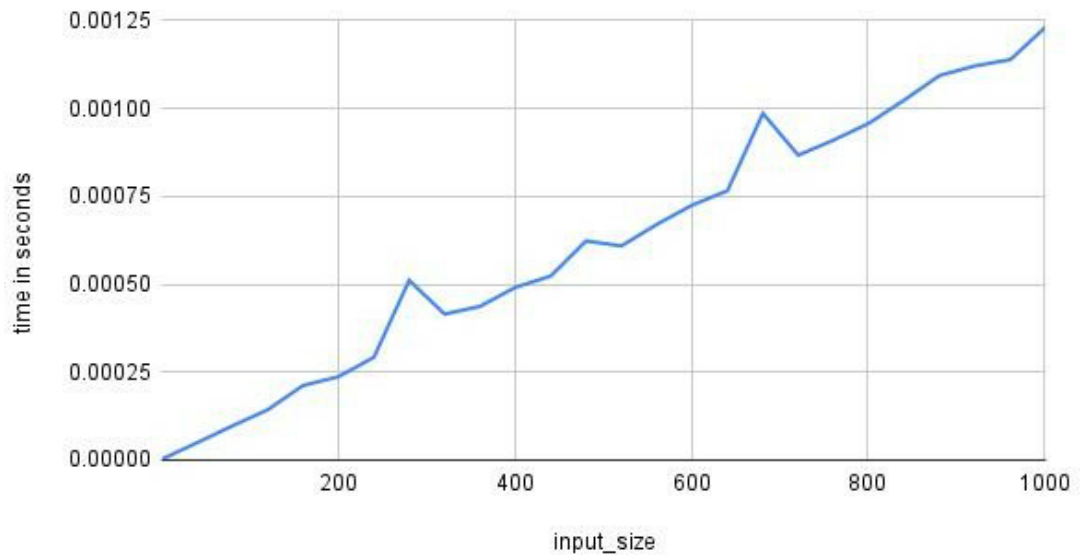

Insertion worst case sort time vs. input_size

COMPARISION:

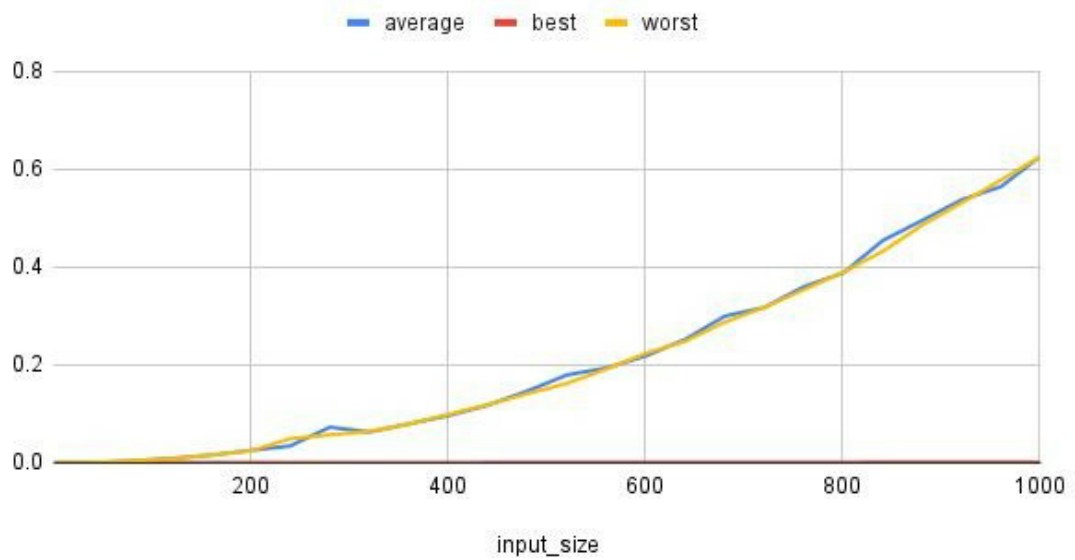INSERTION SORT average, best and worst

BUBBLESORT:

BUBBLE SORT best case time vs. input_size

BUBBLE SORT average, best and worst

SELECTIONSORT:

SELECTION SORT average, best and worst