```
nirajparajuli0@NRJ:~/Desktop/CS310/Project 1$ g++ Sorting.cpp -o Sorting
nirajparajuli0@NRJ:~/Desktop/CS310/Project 1$ ./Sorting

Sorting Algorithm        Input Size      Time Cost (in secs)
*************************************************************
Insertion Sort           10              1e-06
Merge Sort               10              2e-06
Quick Sort               10              1e-06
Heap Sort                10              2e-06

Insertion Sort           100             2e-05
Merge Sort               100             2.4e-05
Quick Sort               100             1.3e-05
Heap Sort                100             2.2e-05

Insertion Sort           1000            0.001775
Merge Sort               1000            0.000276
Quick Sort               1000            0.00017
Heap Sort                1000            0.000297

Insertion Sort           10000           0.175023
Merge Sort               10000           0.003406
Quick Sort               10000           0.002191
Heap Sort                10000           0.004018

Insertion Sort           100000          10.6257
Merge Sort               100000          0.028968
Quick Sort               100000          0.021251
Heap Sort                100000          0.037675

Insertion Sort           1000000         962.037
Merge Sort               1000000         0.275987
Quick Sort               1000000         0.41908
Heap Sort                1000000         0.423606

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```