

The output of make submit1:

echo "Compiling test-case 1"

Compiling test-case 1

gcc -g -Werror -O3 -L. -Wl,-rpath=. -o test1 test1.c -ldsa -lpa1 -lm

./test1 10000

Running TEST1 for 10000 inputs

Creating 10000 uids took 11 ms.

adding 10000 records took 3 ms.

deleting 10000 records took 73 ms.

TEST-1 successful

./test1 100000

Running TEST1 for 100000 inputs

Creating 100000 uids took 305 ms.

adding 100000 records took 31 ms.

deleting 100000 records took 14206 ms.

TEST-1 successful

The output of make submit2:

echo "Compiling test-case 2"

Compiling test-case 2

gcc -g -Werror -O3 -L. -Wl,-rpath=. -o test2 test2.c -ldsa -lpa1 -lm

./test2 100000

Running TEST2 for 100000 inputs

Creating 100000 uids took 380 ms.

adding 100000 records took 44 ms.

linear search 20000 records took 6968 ms.

quick sort 100000 records took 41 ms.

binary search 100000 records took 54 ms.

inserting 100000 records took 25 ms.

merge sort 100000 records took 57 ms.

binary search 100000 records took 57 ms.

inserting 20000 records took 5 ms.

selection sort 20000 records took 577 ms.

binary search 20000 records took 7 ms.

TEST-2 successful

./test2 1000000

Running TEST2 for 1000000 inputs

Creating 1000000 uids took 8957 ms.

adding 1000000 records took 246 ms.

linear search 20000 records took 21105 ms.

quick sort 1000000 records took 520 ms.

binary search 1000000 records took 915 ms.

inserting 1000000 records took 161 ms.

merge sort 1000000 records took 10771 ms.

binary search 1000000 records took 1182 ms.

inserting 20000 records took 2 ms.

selection sort 20000 records took 593 ms.

binary search 20000 records took 6 ms.

TEST-2 successful

The output of make submit3:

echo "Compiling test-case 3"

Compiling test-case 3

gcc -g -Werror -O3 -L. -Wl,-rpath=. -o test3 test3.c -ldsa -lpa1 -lm

./test3 100000

Running TEST3 for 100000 inputs

Creating 100000 uids took 353 ms.

adding 100000 records took 58 ms.

linear search 20000 records took 22479 ms.

rearrange_data still needs to be implemented!

make: *** [Makefile:49: submit3] Aborted