

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 -lpa2 -lm
./test1 100000
Creating 100000 uids took 360 ms.
adding 100000 records took 177 ms.
making 599982 friends took 974 ms.
search 100000 records took 89 ms.
Test-case-1 passed
./test1 1000000
Creating 1000000 uids took 10252 ms.
adding 1000000 records took 4169 ms.
making 5999982 friends took 26294 ms.
search 1000000 records took 3975 ms.
Test-case-1 passed

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 -lpa2 -lm
./test2 100000
Creating 100000 uids took 358 ms.
adding 100000 records took 134 ms.
making 599982 friends took 863 ms.
deleting 50000 records took 2577 ms.
Test-case-2 passed
./test2 1000000
Creating 1000000 uids took 8804 ms.
adding 1000000 records took 3811 ms.
making 5999982 friends took 23517 ms.
deleting 500000 records took 92610 ms.
Test-case-2 passed

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 -lpa2 -lm
./test3 100000
Creating 100000 uids took 441 ms.
adding 100000 records took 178 ms.
making 599982 friends took 770 ms.
search 100000 records took 101 ms.
Test-case-3 passed
./test3 1000000
Creating 1000000 uids took 8878 ms.
adding 1000000 records took 2496 ms.
making 5999982 friends took 11725 ms.
search 1000000 records took 1583 ms.
Test-case-3 passed

The output of make submit4:
echo "Compiling test-case 4"
Compiling test-case 4
gcc -g -Werror -O3 -L. -Wl,-rpath=. -o test4 test4.c -ldsa -lpa2 -lm
./test4 100000
Creating 100000 uids took 320 ms.
adding 100000 records took 196 ms.

making 599982 friends took 813 ms.
deleting 50000 records took 2285 ms.
Test-case-4 passed
./test4 1000000
Creating 1000000 uids took 9785 ms.
adding 1000000 records took 2565 ms.
making 599982 friends took 11548 ms.
deleting 500000 records took 71759 ms.
Test-case-4 passed