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● kriish@kriish-Aspire-A315-23:~/Downloads/DSALAB-master/PA2$ make submit2
gcc -g -Werror -shared -O3 -fPIC -o libpa2.so pa2.c
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 263 ms.
adding 100000 records took 176 ms.
making 599982 friends took 1274 ms.
deleting 50000 records took 2639 ms.
Test-case-2 passed
./test2 1000000
Creating 1000000 uids took 4771 ms.
adding 1000000 records took 3663 ms.
making 599982 friends took 20912 ms.
deleting 500000 records took 47778 ms.
Test-case-2 passed
● kriish@kriish-Aspire-A315-23:~/Downloads/DSALAB-master/PA2$ 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 233 ms.
adding 100000 records took 179 ms.
making 599982 friends took 867 ms.
left:0 right:2
ERROR: tree is not balanced
test4: lib.c:610: check_avl_property: Assertion `0' failed.
make: *** [Makefile:67: submit4] Aborted (core dumped)

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● kriish@kriish-Aspire-A315-23:~/Downloads/DSALAB-master/PA2$ make submit1
gcc -g -Werror -shared -O3 -fPIC -o libpa2.so pa2.c
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 155 ms.
adding 100000 records took 95 ms.
making 599982 friends took 511 ms.
search 100000 records took 80 ms.
Test-case-1 passed
./test1 1000000
Creating 1000000 uids took 2829 ms.
adding 1000000 records took 2125 ms.
making 599982 friends took 12672 ms.
search 1000000 records took 2098 ms.
Test-case-1 passed
● kriish@kriish-Aspire-A315-23:~/Downloads/DSALAB-master/PA2$ 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 145 ms.
adding 100000 records took 94 ms.
making 599982 friends took 439 ms.
search 100000 records took 71 ms.
Test-case-3 passed
./test3 1000000
Creating 1000000 uids took 2542 ms.
adding 1000000 records took 1389 ms.
making 599982 friends took 6848 ms.
search 1000000 records took 881 ms.
Test-case-3 passed

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echo "Compiling test-case 1"

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Compiling test-case 1
gcc -g -Werror -O3 -L. -Wl,-rpath=. -o test1 test1.c -ldsa -lpa2 -lm
./test1 100000
Creating 100000 uids took 155 ms.
adding 100000 records took 95 ms.
making 599982 friends took 511 ms.
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Test-case-1 passed
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Creating 1000000 uids took 2829 ms.
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making 5999982 friends took 12672 ms.
search 1000000 records took 2098 ms.
Test-case-1 passed
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```
kriish@kriish-Aspire-A315-23:~/Downloads/DSALAB-master/PA2$ 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 145 ms.
adding 100000 records took 94 ms.
making 599982 friends took 439 ms.
search 100000 records took 71 ms.
Test-case-3 passed
./test3 1000000
Creating 1000000 uids took 2542 ms.
adding 1000000 records took 1389 ms.
making 5999982 friends took 6848 ms.
search 1000000 records took 881 ms.
Test-case-3 passed
```

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./test2 100000
Creating 100000 uids took 263 ms.
adding 100000 records took 176 ms.
making 599982 friends took 1274 ms.
deleting 50000 records took 2639 ms.
Test-case-2 passed
./test2 1000000
Creating 1000000 uids took 4771 ms.
adding 1000000 records took 3663 ms.
making 5999982 friends took 20912 ms.
deleting 500000 records took 47778 ms.
Test-case-2 passed
```

```
kriish@kriish-Aspire-A315-23:~/Downloads/DSALAB-master/PA2$ 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 233 ms.
adding 100000 records took 179 ms.
making 599982 friends took 867 ms.
left:0 right:2
ERROR: tree is not balanced
test4: lib.c:610: check_avl_property: Assertion `0' failed.
make: *** [Makefile:67: submit4] Aborted (core dumped)
```