

Outputs:

Test case 1

```
End of records!Records: 146340
    added 390 recs..so far 146340
End of records!Records: 147045
    added 705 recs..so far 147045
End of records!Records: 147430
    added 385 recs..so far 147430
End of records!Records: 148053
    added 623 recs..so far 148053
End of records!Records: 148115
    added 62 recs..so far 148115
End of records!Records: 148298
    added 183 recs..so far 148298
End of records!Records: 148654
    added 356 recs..so far 148654
End of records!Records: 149431
    added 777 recs..so far 149431
End of records!Records: 149699
    added 268 recs..so far 149699
End of records!Records: 149965
    added 266 recs..so far 149965
End of records!Records: 150000
    added 35 recs..so far 150000

create finished.. 150000 recs inserted
Calling cleanup!

[naman@0xb1ad3] - (~/.git/database-from-scratch/src/submit) - [git://mile2 x]-
[0] 0:vim- 1:zsh*
```

Test case 2

```
acctbal: [4923.4], c_mktsegment: [MACHINERY], c_comment: [ silent requests haggle carefully regular, regular packages. enticing, even deposits wake  
slyly among the]  
.c_custkey: [12022], c_name: [Customer#000012022], c_address: [PwVDMfqZtKW0o], c_nationkey: [24], c_phone: [34-998-408-4382], c_acctbal: [2877.36],  
c_mktsegment: [HOUSEHOLD], c_comment: [layers. regular pinto beans about the quickly regular ideas cajole blithely]  
.c_custkey: [125210], c_name: [Customer#000125210], c_address: [BJiJAg79TvSTdxgPeb63sUqKa0Vv], c_nationkey: [24], c_phone: [34-998-711-2597], c_acctbal: [6678.32], c_mktsegment: [FURNITURE], c_comment: [ly ironic, ironic accounts. theodolites among the slyly even patterns nag slyly fluffi]  
.c_custkey: [50667], c_name: [Customer#000050667], c_address: [9aGxwCYLcG6y2eA], c_nationkey: [24], c_phone: [34-999-115-2195], c_acctbal: [8764.52]  
], c_mktsegment: [FURNITURE], c_comment: [mptotes around the slyly bold instructions boost furi]  
.c_custkey: [7288], c_name: [Customer#000007288], c_address: [,dZCqJe94SqXQjxAd7WxRMYyFVKGd4pFIRAshk], c_nationkey: [24], c_phone: [34-999-121-7718]  
], c_acctbal: [82.07], c_mktsegment: [HOUSEHOLD], c_comment: [ns sublate furiously. carefully ironic platelets grow furiously. ironic, bold theodol  
ites hang above th]  
.c_custkey: [84642], c_name: [Customer#000084642], c_address: [MJerprOnUYRK], c_nationkey: [24], c_phone: [34-999-195-7029], c_acctbal: [6912.63],  
c_mktsegment: [BUILDING], c_comment: [totes above the pending, regular hockey players sleep blithely after the blithely even deposits. carefully re  
gula]  
.c_custkey: [148611], c_name: [Customer#000148611], c_address: [HoNNKAELd2vMNYGwpw3ZZgSNAdS7f0dNIH64], c_nationkey: [24], c_phone: [34-999-283-6448]  
], c_acctbal: [24.12], c_mktsegment: [HOUSEHOLD], c_comment: [requests above the blithely pending asymptotes sleep carefully about the slyly even e  
xcu]  
.c_custkey: [102689], c_name: [Customer#000102689], c_address: [uPFxngvS0aDQIL], c_nationkey: [24], c_phone: [34-999-363-7145], c_acctbal: [6256.97]  
], c_mktsegment: [AUTOMOBILE], c_comment: [ly regular asymptotes haggle fluffily according to the furiously bold courts. daring ]  
.c_custkey: [35478], c_name: [Customer#000035478], c_address: [0t5zcyiiLhzXXivX4Y2FeToQIh,i0vs6zyA], c_nationkey: [24], c_phone: [34-999-379-6016],  
c_acctbal: [6097.18], c_mktsegment: [MACHINERY], c_comment: [ithout the fluffily ironic packages. daring, even de]  
.c_custkey: [103505], c_name: [Customer#000103505], c_address: [XPNXpdCD7HRqcV8ABpjF3ixDc9A6X ZB2 ], c_nationkey: [24], c_phone: [34-999-404-9770],  
c_acctbal: [582.88], c_mktsegment: [FURNITURE], c_comment: [fully even deposits boost. quickly ironic requests could have to are according to the  
final accounts. final]  
.c_custkey: [62707], c_name: [Customer#000062707], c_address: [bRbtSTIXhh], c_nationkey: [24], c_phone: [34-999-473-9448], c_acctbal: [7429.32], c_  
mktsegment: [FURNITURE], c_comment: [zzle slyly after the slyly ironic pinto beans. bold, fina]  
.c_custkey: [41774], c_name: [Customer#000041774], c_address: [DpHfJFKVkr4LQeif9t5SSKzDUa4G3asKeya5M7dz], c_nationkey: [24], c_phone: [34-999-535-1  
203], c_acctbal: [7118.29], c_mktsegment: [FURNITURE], c_comment: [c requests sleep. quickly silent requests wake fluffily. furiously close package  
s nag furiously across the caref]  
.c_custkey: [94308], c_name: [Customer#000094308], c_address: [5aE9PLelngeVg8v6KCg0yR,NhDT5uC4], c_nationkey: [24], c_phone: [34-999-618-6653], c_a  
cctbal: [8636.13], c_mktsegment: [FURNITURE], c_comment: [g, even deposits. carefully unus]  
.c_custkey: [102414], c_name: [Customer#000102414], c_address: [Xzg9eiWbsxiQW,LUCyUAcPoOENdLUQt], c_nationkey: [24], c_phone: [34-999-618-6881], c_  
acctbal: [9614.62], c_mktsegment: [MACHINERY], c_comment: [usly final packages. carefully even packages by the permanently special gifts ne]
```

```
scanned 150000 recs  
Calling cleanup!
```

```
[naman@0xblad3] - (~/.git/database-from-scratch/src/submit) - [git://mile2 x] -
```

```
[0] 0:zsh- 1:zsh*
```

```
CPU:8.7%
```


Test case 3

```
> ./test.out < tmp/test3.txt

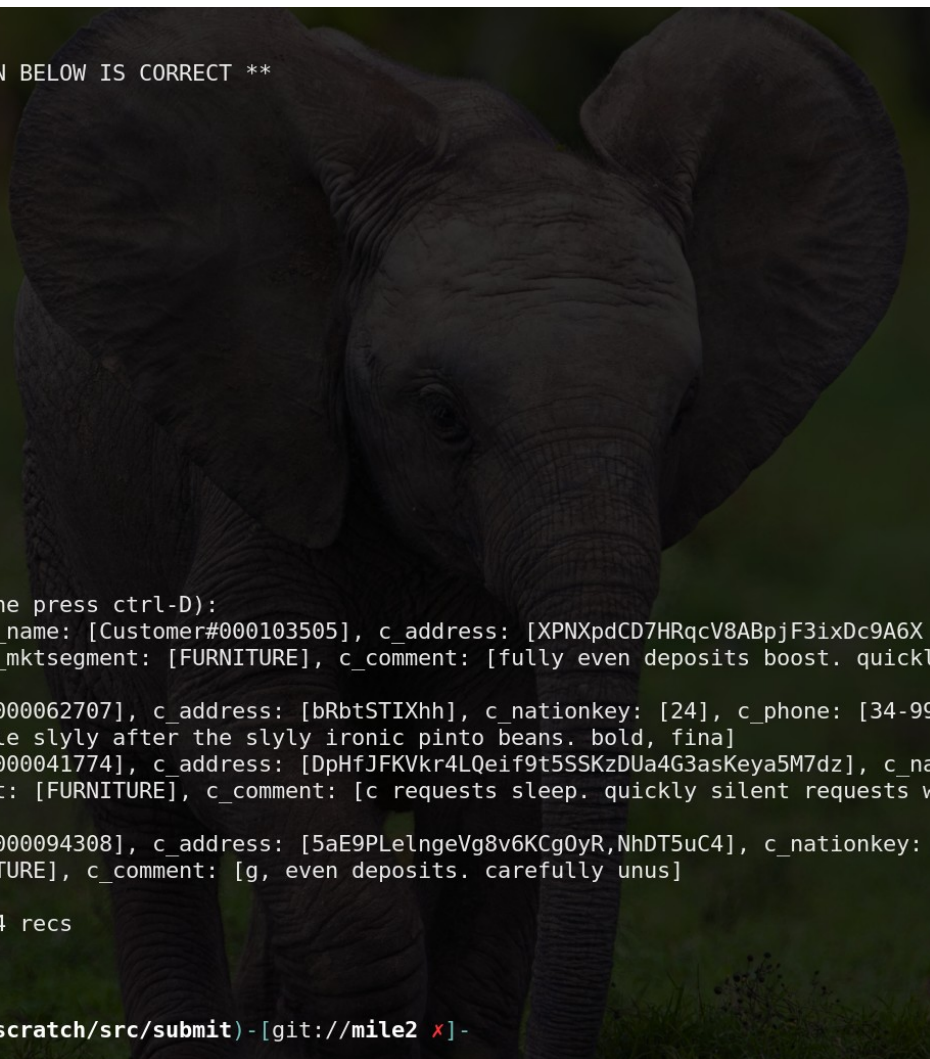
** IMPORTANT: MAKE SURE THE INFORMATION BELOW IS CORRECT **
catalog location:      catalog
tpch files dir:        tpch-dbgen/
heap files dir:        bin/

select test option:
  1. create sorted dbfile
  2. scan a dbfile
  3. run some query

select table:
  1. nation
  2. region
  3. customer
  4. part
  5. partsupp
  6. supplier
  7. orders
  8. lineitem
  Enter CNF predicate (when done press ctrl-D):
    c_custkey: [103505], c_name: [Customer#000103505], c_address: [XPNXpdCD7HRqcV8ABpjF3ixDc9A6X ZB2 ], c_nationkey: [24], c_phone: [34-999-404-9770], c_acctbal: [582.88], c_mktsegment: [FURNITURE], c_comment: [fully even deposits boost. quickly ironic requests could have to are according to the final accounts. final]
    c_custkey: [62707], c_name: [Customer#000062707], c_address: [bRbtSTIXhh], c_nationkey: [24], c_phone: [34-999-473-9448], c_acctbal: [7429.32], c_mktsegment: [FURNITURE], c_comment: [zzle slyly after the slyly ironic pinto beans. bold, fina]
    c_custkey: [41774], c_name: [Customer#000041774], c_address: [DpHfJFKVkr4LQeif9t5SSKzDUa4G3asKeya5M7dz], c_nationkey: [24], c_phone: [34-999-535-1203], c_acctbal: [7118.29], c_mktsegment: [FURNITURE], c_comment: [c requests sleep. quickly silent requests wake fluffily. furiously close packages nag furiously across the caref]
    c_custkey: [94308], c_name: [Customer#000094308], c_address: [5aE9PLelngeVg8v6KCg0yR,NhDT5uC4], c_nationkey: [24], c_phone: [34-999-618-6653], c_acctbal: [8636.13], c_mktsegment: [FURNITURE], c_comment: [g, even deposits. carefully unus]

  query over bin/customer.bin returned 4 recs
  Calling cleanup!

[naman@0xblad3] - (~/.git/database-from-scratch/src/submit) - [git://mile2 x]-
[0] 0:./test.out- 1:zsh*
```



GTest

```
[naman@0xb1ad3]-(~/git/database-from-scratch/src/submit)-[git://mile2 x]-
[> ./gtest.out

** IMPORTANT: MAKE SURE THE INFORMATION BELOW IS CORRECT **
catalog location:      catalog
tpch files dir:        tpch-dbgen/
heap files dir:        bin/

[=====] Running 8 tests from 4 test cases.
[-----] Global test environment set-up.
[-----] 3 tests from DBFILETEST
[ RUN      ] DBFILETEST.DBCreate
tpch file will be loaded from tpch-dbgen/customer.tbl
EOF!
[      OK ] DBFILETEST.DBCreate (327 ms)
[ RUN      ] DBFILETEST.DBOpen
[      OK ] DBFILETEST.DBOpen (0 ms)
[ RUN      ] DBFILETEST.DBClose
[      OK ] DBFILETEST.DBClose (0 ms)
[-----] 3 tests from DBFILETEST (327 ms total)

[-----] 1 test from RUNGEN_DBSETUPTEST
[ RUN      ] RUNGEN_DBSETUPTEST.DBSetup
[      OK ] RUNGEN_DBSETUPTEST.DBSetup (0 ms)
[-----] 1 test from RUNGEN_DBSETUPTEST (0 ms total)

[-----] 3 tests from TOURNAMENTTEST
[ RUN      ] TOURNAMENTTEST.Playnum
[      OK ] TOURNAMENTTEST.Playnum (0 ms)
[ RUN      ] TOURNAMENTTEST.Promote
[      OK ] TOURNAMENTTEST.Promote (0 ms)
[ RUN      ] TOURNAMENTTEST.InvalidNumberOfPlayer
[      OK ] TOURNAMENTTEST.InvalidNumberOfPlayer (1 ms)
[-----] 3 tests from TOURNAMENTTEST (1 ms total)

[-----] 1 test from SORTEDFILETEST
[ RUN      ] SORTEDFILETEST.GetNext
[      OK ] SORTEDFILETEST.GetNext (0 ms)
[-----] 1 test from SORTEDFILETEST (1 ms total)

[-----] Global test environment tear-down
[=====] 8 tests from 4 test cases ran. (329 ms total)
[ PASSED  ] 8 tests.
Calling cleanup!
[naman@0xb1ad3]-(~/git/database-from-scratch/src/submit)-[git://mile2 x]-
[> ]
```