

Outputs:

Output1.txt

```
3 n_nationkey: [11], n_name: [IRAQ], n_regionkey: [4], n_comment: [nic deposits boost atop the quickly final requests? quickly regula]
4 n_nationkey: [10], n_name: [IRAN], n_regionkey: [4], n_comment: [efully alongside of the slyly final dependencies. ]
5 n_nationkey: [9], n_name: [INDONESIA], n_regionkey: [2], n_comment: [ slyly express asymptotes. regular deposits haggle slyly. carefully ironic hockey players sleep blith
ely. carefull]
6 n_nationkey: [8], n_name: [INDIA], n_regionkey: [2], n_comment: [ss excuses cajole slyly across the packages. deposits print around]
7 n_nationkey: [7], n_name: [GERMANY], n_regionkey: [3], n_comment: [l platelets. regular accounts x-ray: unusual, regular acco]
8 consumer: removed 25 recs from the pipe
9 consumer: 25 recs out of 25 recs in sorted order
10 Calling cleanup!
11 *****
12 consumer: removed 150000 recs from the pipe
13 consumer: 150000 recs out of 150000 recs in sorted order
14 Calling cleanup!
15 *****
16 o_orderkey: [524451], o_custkey: [51430], o_orderstatus: [0], o_totalprice: [420623], o_orderdate: [1997-09-22], o_orderpriority: [1-URGENT], o_clerk: [Clerk#000000755],
o_shippriority: [0], o_comment: [inal pinto beans pr]
17 o_orderkey: [524450], o_custkey: [21094], o_orderstatus: [0], o_totalprice: [187237], o_orderdate: [1996-02-28], o_orderpriority: [3-MEDIUM], o_clerk: [Clerk#000000087],
o_shippriority: [0], o_comment: [carefully silent sheave]
18 o_orderkey: [524449], o_custkey: [68072], o_orderstatus: [0], o_totalprice: [73680.1], o_orderdate: [1995-08-06], o_orderpriority: [4-NOT SPECIFIED], o_clerk: [Clerk#0000
00407], o_shippriority: [0], o_comment: [lithely against the regular deposits. blithely special ideas across]
19 o_orderkey: [524448], o_custkey: [98731], o_orderstatus: [0], o_totalprice: [83530.3], o_orderdate: [1998-01-15], o_orderpriority: [5-LOW], o_clerk: [Clerk#000000015], o
_shippriority: [0], o_comment: [instructions boost fluffily according to the never ironic ideas. ironic id]
20 o_orderkey: [524423], o_custkey: [72682], o_orderstatus: [0], o_totalprice: [132826], o_orderdate: [1995-07-29], o_orderpriority: [2-HIGH], o_clerk: [Clerk#000000344], o
_shippriority: [0], o_comment: [ress requests sleep slyly pending accounts. fin]
21 o_orderkey: [524422], o_custkey: [98321], o_orderstatus: [0], o_totalprice: [119840], o_orderdate: [1997-10-17], o_orderpriority: [4-NOT SPECIFIED], o_clerk: [Clerk#00000
0043], o_shippriority: [0], o_comment: [und the furiously bold instructions. multipliers aff]
22 o_orderkey: [524421], o_custkey: [15161], o_orderstatus: [0], o_totalprice: [213110], o_orderdate: [1997-07-08], o_orderpriority: [1-URGENT], o_clerk: [Clerk#000000204],
o_shippriority: [0], o_comment: [eep carefully. slyly bold asymptotes sleep across the final pinto ]
23 consumer: removed 1500000 recs from the pipe
24 consumer: 1500000 recs out of 1500000 recs in sorted order
25 Calling cleanup!
26 *****
27 n_nationkey: [13], n_name: [JORDAN], n_regionkey: [4], n_comment: [ic deposits are blithely about the carefully regular pa]
28 n_nationkey: [12], n_name: [JAPAN], n_regionkey: [2], n_comment: [ously. final, express gifts cajole a]
29 n_nationkey: [11], n_name: [IRAQ], n_regionkey: [4], n_comment: [nic deposits boost atop the quickly final requests? quickly regula]
30 n_nationkey: [10], n_name: [IRAN], n_regionkey: [4], n_comment: [efully alongside of the slyly final dependencies. ]
31 n_nationkey: [9], n_name: [INDONESIA], n_regionkey: [2], n_comment: [ slyly express asymptotes. regular deposits haggle slyly. carefully ironic hockey players sleep blith
ely. carefull]
32 n_nationkey: [8], n_name: [INDIA], n_regionkey: [2], n_comment: [ss excuses cajole slyly across the packages. deposits print around]
33 n_nationkey: [7], n_name: [GERMANY], n_regionkey: [3], n_comment: [l platelets. regular accounts x-ray: unusual, regular acco]
34 consumer: removed 25 recs from the pipe
35 consumer: 25 recs out of 25 recs in sorted order
36 Calling cleanup!
```

NORMAL tmp/output1.txt

text utf-8[unix] 482 words 100% 36/36 : 16

GTests

Screenshot 1

```
<> ./gtest.out

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

[=====] Running 7 tests from 3 test cases.
[-----] Global test environment set-up.
[-----] 3 tests from DBFILETEST
[ RUN      ] DBFILETEST.DBCreate
tpch file will be loaded from tpch-dbgen/supplier.tbl
EOF!
[ OK      ] DBFILETEST.DBCreate (47 ms)
[ RUN      ] DBFILETEST.DBOpen
[ OK      ] DBFILETEST.DBOpen (0 ms)
[ RUN      ] DBFILETEST.DBClose
[ OK      ] DBFILETEST.DBClose (0 ms)
[-----] 3 tests from DBFILETEST (47 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)

[-----] Global test environment tear-down
[=====] 7 tests from 3 test cases ran. (48 ms total)
[ PASSED  ] 7 tests.
[=====] Running 7 tests from 3 test cases.
[-----] Global test environment set-up.
[-----] 3 tests from DBFILETEST
[ RUN      ] DBFILETEST.DBCreate
tpch file will be loaded from tpch-dbgen/partsupp.tbl
```

Screenshot 2

```
tpch file will be loaded from tpch-dbgen/partsupp.tbl
EOF!
[ OK      ] DBFILETEST.DBCreate (4469 ms)
[ RUN      ] DBFILETEST.DBOpen
[ OK      ] DBFILETEST.DBOpen (1 ms)
[ RUN      ] DBFILETEST.DBClose
[ OK      ] DBFILETEST.DBClose (0 ms)
[-----] 3 tests from DBFILETEST (4470 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 (2 ms)
[-----] 3 tests from TOURNAMENTTEST (2 ms total)

[-----] Global test environment tear-down
[=====] 7 tests from 3 test cases ran. (4472 ms total)
[ PASSED  ] 7 tests.
[=====] Running 7 tests from 3 test cases.
[-----] Global test environment set-up.
[-----] 3 tests from DBFILETEST
[ RUN      ] DBFILETEST.DBCreate
tpch file will be loaded from tpch-dbgen/part.tbl
EOF!
[ OK      ] DBFILETEST.DBCreate (1090 ms)
[ RUN      ] DBFILETEST.DBOpen
[ OK      ] DBFILETEST.DBOpen (0 ms)
[ RUN      ] DBFILETEST.DBClose
[ OK      ] DBFILETEST.DBClose (0 ms)
[-----] 3 tests from DBFILETEST (1090 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)
```


GTests (Contd.)

```
[-----] 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)

[-----] Global test environment tear-down
[=====] 7 tests from 3 test cases ran. (1091 ms total)
[ PASSED ] 7 tests.
[=====] Running 7 tests from 3 test cases.
[-----] Global test environment set-up.
[-----] 3 tests from DBFILETEST
[ RUN      ] DBFILETEST.DBCreate
tpch file will be loaded from tpch-dbgen/nation.tbl
EOF!
[ OK       ] DBFILETEST.DBCreate (1 ms)
[ RUN      ] DBFILETEST.DBOpen
[ OK       ] DBFILETEST.DBOpen (0 ms)
[ RUN      ] DBFILETEST.DBClose
[ OK       ] DBFILETEST.DBClose (0 ms)
[-----] 3 tests from DBFILETEST (1 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)

[-----] Global test environment tear-down
[=====] 7 tests from 3 test cases ran. (2 ms total)
[ PASSED ] 7 tests.
[=====] Running 7 tests from 3 test cases.
[-----] Global test environment set-up.
[src] 0:test 1:Makefile* 2:tpch- 3:git 4:try
```

Screenshot 3