NETID   - NAME:
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To run the code:
1. Go in to Build folder
2. run: python3.9 ~/scons/bin/scons-3.1.2
3. ./bin/sqlUnitTest myCat . < createTable.sql
4. ./bin/sqlUnitTest myCat .
5. throw in the queries

— Query 1: —
|l.l_comment |
|furiously ir |
Found 1 records in all.

— Query 2 : —
|l.l_orderkey |
|420 |
|547 |
|5895 |
|10917 |
|17701 |
|22182 |
|43045 |
|44741 |
|56866 |
|58052 |
|84003 |
|89059 |
|90912 |
|92198 |
|94439 |
|95075 |
|95845 |
|99392 |
|100481 |
|110279 |
|110530 |
|111425 |
|124290 |
|128865 |
|131525 |
|132993 |
|140418 |
|141381 |
|143524 |

```
|147301          |
|151942          |
|152967          |
|157156          |
|162691          |
|164965          |
|179780          |
|180483          |
|200388          |
|201413          |
|204320          |
|210112          |
|210885          |
|211201          |
|215395          |
|219460          |
|226567          |
|227842          |
|228165          |
|231782          |
|232705          |
```
Found 1057 records in all.

— Query 3 : —
```
|agg.sum_0      |agg.avg_1      |
|292098         |3.620425       |
```
Found 1 records in all.

— Query 4 : —
```
|agg.avg_2      |att.temp3      |
|150611.604523  |priority: 5-LOW   |
|150129.831018  |priority: 4-NOT SP|
|150068.606146  |priority: 3-MEDIUM|
|150724.811169  |priority: 2-HIGH  |
|150454.466436  |priority: 1-URGENT|
```
Found 5 records in all.

— Query 5 : —
```
|att.temp12     |agg.sum_4      |agg.sum_5       |agg.sum_6       |agg.sum_7       |agg.avg_8
|agg.avg_9      |agg.avg_10     |agg.sum_11      |
|return flag was N |7826475.000000
|11731187444.120041|11144649274.750301|11590849811.731108|25.487758
|38203.874855   |0.049994       |307068          |
```
Found 1 records in all.

— Query 6 : —
```
|l.l_shipmode    |agg.sum_0      |
|TRUCK           |49645          |
```

|RAIL |50059 |
Found 2 records in all.

— Query 7 : —
[<MyDB_GroupAtt0, int>, <MyDB_AggAtt0, double>, <MyDB_CntAtt, int>]
ps.ps_partkey	agg.avg_1
1	665.290000
2	646.880000
5	219.830000
7	763.980000
8	916.910000
9	188.020000
10	418.635000
12	498.395000
13	409.506667
14	891.445000
15	458.670000
18	367.633333
19	144.800000
20	675.540000
23	103.130000
25	694.350000
27	348.610000
28	204.860000
29	857.885000
33	929.050000
34	265.310000
35	540.180000
37	15.720000
43	493.190000
44	608.080000
45	919.630000
46	106.800000
48	611.160000
53	388.080000
54	686.510000
56	855.390000
57	311.370000
58	527.380000
60	92.640000
61	633.740000
62	620.080000
63	481.265000
66	785.750000
70	327.883333
73	514.810000
75	433.590000
77	875.830000
78	577.230000

	79	891.180000
	81	314.980000
	83	385.120000
	84	588.785000
	86	158.010000
	87	868.600000
	88	821.430000

Found 119448 records in all.

— Query 8 : —

n.n_name	o.o_orderdate	att.temp2
JAPAN	1998-07-01	356.760000
CANADA	1998-05-21	14381.941000
UNITED KINGDOM	1998-05-13	12604.606200
CANADA	1998-06-04	9443.007600
JORDAN	1998-06-03	22514.833600
GERMANY	1998-05-12	4808.073600
SAUDI ARABIA	1998-05-17	3664.473600
SAUDI ARABIA	1998-06-18	16261.240500
JAPAN	1998-06-16	12532.540800
MOZAMBIQUE	1998-04-29	18733.350200
ARGENTINA	1998-06-21	46823.319000
ARGENTINA	1998-06-01	46707.977400
PERU	1998-07-13	37649.667600
RUSSIA	1998-07-28	2471.833800
RUSSIA	1998-05-29	38952.345000
JORDAN	1998-03-27	9849.280000
ARGENTINA	1998-02-13	11927.340000
CANADA	1998-05-11	32337.270000
INDONESIA	1998-06-30	59426.048000
INDIA	1998-03-15	30081.290000
FRANCE	1998-07-12	14830.246200
INDIA	1998-03-10	-50.011200
RUSSIA	1998-06-24	9578.646700
ARGENTINA	1998-05-06	42779.520000
CANADA	1998-06-19	10805.728000
GERMANY	1998-06-09	56604.290200
SAUDI ARABIA	1998-06-24	9854.460000
RUSSIA	1998-06-01	6395.877000
PERU	1998-06-25	2554.118400
INDONESIA	1998-06-02	11974.710000
INDONESIA	1998-05-14	22914.313200
JAPAN	1998-05-19	16489.968600
SAUDI ARABIA	1998-04-14	5764.113000
ETHIOPIA	1998-05-16	24613.284000
MOZAMBIQUE	1998-07-10	84926.880000
INDONESIA	1998-07-24	39672.126000
GERMANY	1998-06-10	10543.814400
GERMANY	1998-07-31	12984.678000

	FRANCE	1998-07-03	28088.586000	
	INDIA	1998-04-24	12730.116000	
	ROMANIA	1998-06-09	16102.097500	
	ARGENTINA	1998-06-24	27462.548000	
	EGYPT	1998-06-13	1716.909400	
	ARGENTINA	1998-06-05	37265.720000	
	IRAQ	1998-07-21	-5125.590000	
	ETHIOPIA	1998-05-16	265.783800	
	CHINA	1998-03-21	6157.703200	
	CANADA	1998-04-16	4043.482800	
	JORDAN	1998-05-06	8547.331400	
	IRAN	1998-05-04	28706.278500	

Found 2347 records in all.

— Query 9 : —

att.temp2	agg.sum_1	
name: Supplier#000	2250	
name: Supplier#000	1725	
name: Supplier#000	1750	
name: Supplier#000	2375	
name: Supplier#000	2100	
name: Supplier#000	1750	
name: Supplier#000	1525	
name: Supplier#000	1625	
name: Supplier#000	1650	
name: Supplier#000	1800	
name: Supplier#000	1100	
name: Supplier#000	2100	
name: Supplier#000	2175	
name: Supplier#000	2075	
name: Supplier#000	1400	
name: Supplier#000	1875	
name: Supplier#000	2450	
name: Supplier#000	1625	
name: Supplier#000	1350	
name: Supplier#000	1550	
name: Supplier#000	1950	
name: Supplier#000	2125	
name: Supplier#000	1325	
name: Supplier#000	1450	
name: Supplier#000	1950	
name: Supplier#000	1900	
name: Supplier#000	1650	
name: Supplier#000	1450	
name: Supplier#000	2075	
name: Supplier#000	2050	
name: Supplier#000	1625	
name: Supplier#000	1400	
name: Supplier#000	1675	
name: Supplier#000	2525	

```
|name: Supplier#000|2175          |
|name: Supplier#000|1525          |
|name: Supplier#000|1750          |
|name: Supplier#000|1825          |
|name: Supplier#000|1900          |
|name: Supplier#000|2450          |
|name: Supplier#000|2125          |
|name: Supplier#000|1475          |
|name: Supplier#000|1625          |
|name: Supplier#000|1525          |
|name: Supplier#000|1425          |
|name: Supplier#000|1675          |
|name: Supplier#000|1800          |
|name: Supplier#000|1925          |
|name: Supplier#000|1650          |
|name: Supplier#000|1975          |
Found 10000 records in all.
```

— Query 10 : —
```
|att.temp3       |
|date was 1995-03-1|
|date was 1995-01-1|
|date was 1995-02-2|
|date was 1995-02-0|
|date was 1995-02-0|
|date was 1995-04-2|
|date was 1995-01-2|
|date was 1995-01-3|
|date was 1995-03-0|
|date was 1995-02-1|
|date was 1995-01-2|
|date was 1995-02-1|
|date was 1995-04-1|
|date was 1995-01-1|
|date was 1995-04-0|
|date was 1995-02-2|
|date was 1995-02-0|
|date was 1995-01-1|
|date was 1995-01-2|
|date was 1995-01-1|
|date was 1995-01-1|
|date was 1995-02-0|
|date was 1995-04-1|
|date was 1995-02-1|
|date was 1995-01-0|
|date was 1995-02-1|
|date was 1995-02-0|
|date was 1995-05-1|
|date was 1995-01-0|
```

|date was 1995-04-1|
|date was 1995-01-2|
|date was 1995-03-2|
|date was 1995-03-0|
|date was 1995-01-0|
|date was 1995-01-1|
|date was 1995-01-2|
|date was 1995-02-0|
|date was 1995-03-1|
|date was 1995-03-2|
|date was 1995-01-0|
|date was 1995-02-1|
|date was 1995-04-0|
|date was 1995-03-2|
|date was 1995-01-2|
|date was 1995-03-0|
|date was 1995-03-1|
|date was 1995-01-0|
|date was 1995-02-2|
|date was 1995-02-1|
|date was 1995-03-0|
Found 161 records in all.

— Query 11 : —

c.c_name	n.n_name	agg.sum_4
Customer#000000004	EGYPT	2
Customer#000000007	CHINA	6
Customer#000000010	ETHIOPIA	2
Customer#000000011	UNITED KINGDOM	4
Customer#000000013	CANADA	5
Customer#000000016	IRAN	3
Customer#000000019	CHINA	3
Customer#000000022	CANADA	5
Customer#000000023	CANADA	2
Customer#000000025	JAPAN	6
Customer#000000026	RUSSIA	4
Customer#000000028	INDIA	5
Customer#000000029	ALGERIA	4
Customer#000000031	UNITED KINGDOM	1
Customer#000000034	MOROCCO	8
Customer#000000037	INDIA	1
Customer#000000040	CANADA	3
Customer#000000041	IRAN	1
Customer#000000043	ROMANIA	5
Customer#000000044	MOZAMBIQUE	7
Customer#000000046	FRANCE	1
Customer#000000047	BRAZIL	1
Customer#000000049	IRAN	2
Customer#000000055	IRAN	3

```
|Customer#000000061|PERU           |1            |
|Customer#000000062|GERMANY        |3            |
|Customer#000000064|CANADA         |8            |
|Customer#000000065|UNITED KINGDOM |1            |
|Customer#000000067|INDONESIA      |2            |
|Customer#000000068|JAPAN          |1            |
|Customer#000000070|RUSSIA         |7            |
|Customer#000000073|ALGERIA        |6            |
|Customer#000000074|EGYPT          |3            |
|Customer#000000076|ALGERIA        |6            |
|Customer#000000079|MOROCCO        |1            |
|Customer#000000080|ALGERIA        |2            |
|Customer#000000082|CHINA          |2            |
|Customer#000000085|ETHIOPIA       |1            |
|Customer#000000086|ALGERIA        |4            |
|Customer#000000088|MOZAMBIQUE     |1            |
|Customer#000000091|INDIA          |3            |
|Customer#000000092|BRAZIL         |7            |
|Customer#000000094|INDONESIA      |6            |
|Customer#000000097|PERU           |2            |
|Customer#000000100|SAUDI ARABIA   |10           |
|Customer#000000103|INDONESIA      |5            |
|Customer#000000106|ARGENTINA      |4            |
|Customer#000000107|MOROCCO        |1            |
|Customer#000000109|MOZAMBIQUE     |2            |
|Customer#000000112|ROMANIA        |2            |
Found 72172 records in all.


— Query 12: —
|c2.c_name         |p.p_name        |agg.sum_5      |
|Customer#000000091|thistle brown deep|1            |
|Customer#000000295|burlywood aquamari|1            |
|Customer#000000434|orange cream sprin|1            |
|Customer#000000442|cream tan peru alm|1            |
|Customer#000000472|moccasin rose sadd|1            |
|Customer#000000586|cyan sky papaya mo|1            |
|Customer#000000638|khaki orange seash|1            |
|Customer#000000797|moccasin rose sadd|1            |
|Customer#000000851|salmon olive lace |1            |
|Customer#000000871|moccasin rose sadd|1            |
|Customer#000000913|deep antique burni|1            |
|Customer#000001076|metallic blanched |1            |
|Customer#000001216|black peach light |1            |
|Customer#000001247|khaki orange seash|1            |
|Customer#000001264|goldenrod saddle c|1            |
|Customer#000001265|forest lawn golden|1            |
|Customer#000001291|peach cornsilk blu|1            |
|Customer#000001352|cyan sky papaya mo|1            |
|Customer#000001420|smoke aquamarine t|1            |
```

```
|Customer#000001453|chiffon chartreuse|1         |
|Customer#000001468|frosted sandy grey|1          |
|Customer#000001562|aquamarine goldenr|1            |
|Customer#000001820|goldenrod saddle c|1           |
|Customer#000001852|blanched rosy fire|1         |
|Customer#000001999|burlywood peru hot|1           |
|Customer#000002086|red antique navajo|1          |
|Customer#000002144|yellow ivory blanc|1         |
|Customer#000002279|drab frosted linen|1         |
|Customer#000002308|rose papaya smoke |1            |
|Customer#000002315|maroon cornflower |1          |
|Customer#000002515|red bisque khaki f|1         |
|Customer#000002560|khaki orange seash|1           |
|Customer#000002774|chiffon chartreuse|1          |
|Customer#000003038|khaki orange seash|1           |
|Customer#000003248|red bisque khaki f|1          |
|Customer#000003355|honeydew pale brow|1            |
|Customer#000003550|black peach light |1          |
|Customer#000003650|misty lace goldenr|1          |
|Customer#000003671|frosted medium min|1           |
|Customer#000003854|peach cornsilk blu|1          |
|Customer#000003874|lemon saddle mediu|1           |
|Customer#000003889|lemon tomato antiq|1          |
|Customer#000004174|forest violet lave|1        |
|Customer#000004219|maroon cornflower |1          |
|Customer#000004327|deep antique burni|1          |
|Customer#000004328|cream purple pink |1          |
|Customer#000004390|floral thistle fro|1       |
|Customer#000004444|aquamarine goldenr|1          |
|Customer#000004471|peach midnight sie|1         |
|Customer#000004538|yellow ivory blanc|1         |
Found 1581 records in all.
```