IComp/UFAM - Bancos de Dados 1 – 2017/02
Ficha de Resposta do Trabalho Prático 3

Atividade: 3	**Tarefa:** 17	**Data:** 27/10	**Folha:** 1 **de** 1

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Tarefa 12 refeita de acordo com o que se pede:

```
postgres=# SELECT relname, relpages, reltuples FROM pg_class WHERE relname='t';
 relname | relpages | reltuples
---------+----------+-----------
 t       |    44248 |    1e+07
(1 row)

 44284 páginas com blocos foram criadas
```

Tarefa 13 refeita de acordo com o que se pede:

```
-[ RECORD 1 ]----------
+---------------------------------------------------------------------------------------------------------
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------------------------------------------------------------------------
schemaname          | public
tablename           | t
attname             | k
inherited           | f
null_frac           | 0
avg_width           | 4
n_distinct          | -1
most_common_vals    |
most_common_freqs   |
histogram_bounds    |
{182,110551,211880,303876,387320,484897,591927,702629,789915,885853,984262,1080896,1176484,1275515,1368756,1455099,1559080,1667473,1768210,18
78795,1978318,2066257,2155661,2258906,2361893,2459810,2575369,2667884,2766953,2866257,2961187,3062700,3173017,3266715,3358478,3456497,3568467
,3668514,3758794,3844804,3944929,4040108,4134493,4230934,4328137,4439530,4557591,4662497,4753318,4860526,4967657,5088775,5196992,5302290,5404
259,5495202,5594029,5690386,5795225,5894025,5985304,6084598,6174208,6281931,6383357,6470063,6565486,6670944,6784729,6889349,6997241,7100593,7
191342,7293890,7392952,7497782,7587366,7682495,7796132,7903325,7992969,8092434,8200228,8291058,8402228,8489977,8589113,8685962,8779371,887713
1,8987149,9095152,9194705,9287129,9394033,9492732,9596000,9691983,9788451,9897995,9999996}
correlation         | 1
most_common_elems   |
most_common_elem_freqs |
elem_count_histogram |
-[ RECORD 2 ]----------
+---------------------------------------------------------------------------------------------------------
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---------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------
schemaname          | public
tablename           | t
attname             | v
inherited           | f
null_frac           | 0
avg_width           | 4
n_distinct          | 10
most_common_vals    | {4,6,0,7,9,5,3,1,2,8}
most_common_freqs   | {0.100933,0.100633,0.100467,0.100333,0.100333,0.100233,0.0997,0.0994667,0.0993333,0.0985667}
histogram_bounds    |
correlation         | 0.0967634
most_common_elems   |
most_common_elem_freqs |
elem_count_histogram |
```

Tarefa 14 refeita de acordo com o que se pede:

```
\timing
CREATE INDEX v_idxd ON t (v DESC NULLS FIRST);
SELECT count(*) FROM t WHERE v=1;
REINDEX INDEX v_idxd;
```

quantidade de tuplas	tempo gasto para realizar uma consulta para um valor (ms)	tempo gasto para re-criar um índice para o atributo 'v' (ms)
10.000	8,235	168,334
10.000.000	1001,090	19935,746