**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 ]----------+----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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 | {182,110551,211880,303876,387320,484897,591927,702629,789915,885853,984262,1080896,1176484,1275515,1368756,1455099,1559080,1667473,1768210,1878795,1978318,2066257,2155661,2258906,2361893,2459810,2575369,2667884,2766953,2866257,2961187,3062700,3173017,3266715,3358478,3456497,3568467,3668514,3758794,3844804,3944929,4040108,4134493,4230934,4328137,4439530,4557691,4662497,4753318,4860526,4967657,5088775,5196992,5302290,5404259,5495202,5594029,5690386,5795225,5894025,5985304,6084598,6174208,6281931,6383357,6470063,6565486,6670944,6784729,6889349,6997241,7100593,7191342,7293890,7392952,7497782,7587366,7682495,7796132,7903325,7992969,8092434,8200228,8291058,8402228,8489977,8589113,8685962,8779371,8877131,8987149,9095152,9194705,9287129,9394033,9492732,9596000,9691983,9788451,9897995,9999996}

correlation | 1

most\_common\_elems |

most\_common\_elem\_freqs |

elem\_count\_histogram |

-[ RECORD 2 ]----------+----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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 |

Obs: dados da tarefa 14

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