Trabalho 05: Laboratório Banco de Dados I

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ARQUIVO .ddl

Questão 1)

select rowid, employee_id, first_name, last_name, salary from employees where rownum=1;



select rowid, employee_id, first_name, last_name, salary from employees where rowid='AAAw6AAAAAAAJqrAAA';



--Não é possível ter um plano de execução melhor que este, uma vez que este busca diretamente no endereço fisico da linha, não precisando procurar todas.

Questão 2)

select * from employees where salary > 12000;



Questão 3)

Criando index:

create index SALARY_IDX on EMPLOYEES(SALARY);

Index SALARY_IDX criado.

Questão 4)

--Refazendo a consulta, agora com index.

select * from employees where salary > 12000;



--Não houve nenhuma mundaça no plano de execução.

Questão 5)

analyze table EMPLOYEES compute statistics;

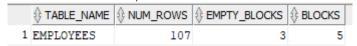
--Este codigo cria as estatisticas da tabela employees.

analyze table EMPLOYEES compute statistics for columns SALARY;

--Este codigo cria as estatisticas da tabela employees na linha salary.

Questão 6)

select TABLE_NAME, NUM_ROWS, EMPTY_BLOCKS, blocks from USER_TABLES where TABLE NAME='EMPLOYEES';



-- A tabela tem 107 linhas, 5 blocos com 3 blocos vazios

select * from USER_HISTOGRAMS where table_name='EMPLOYEES' and column_name='SALARY';

	↑ TABLE_NAME				\$ ENDPOINT_ACTUAL_VALUE	ENDPOINT_ACTUAL_VALUE_RAW		
1	EMPLOYEES	SALARY	1	2100	(null)	(null)	0	SHARED
2	EMPLOYEES	SALARY	3	2200	(null)	(null)	0	SHARED
3	EMPLOYEES	SALARY	5	2400	(null)	(null)	0	SHARED
4	EMPLOYEES	SALARY	11	2500	(null)	(null)	0	SHARED
5	EMPLOYEES	SALARY	15	2600	(null)	(null)	0	SHARED
6	EMPLOYEES	SALARY	17	2700	(null)	(null)	0	SHARED
7	EMPLOYEES	SALARY	21	2800	(null)	(null)	0	SHARED
8	EMPLOYEES	SALARY	24	2900	(null)	(null)	0	SHARED
9	EMPLOYEES	SALARY	26	3000	(null)	(null)	0	SHARED
10	EMPLOYEES	SALARY	30	3100	(null)	(null)	0	SHARED
11	EMPLOYEES	SALARY	34	3200	(null)	(null)	0	SHARED
12	EMPLOYEES	SALARY	36	3300	(null)	(null)	0	SHARED
13	EMPLOYEES	SALARY	37	3400	(null)	(null)	0	SHARED
14	EMPLOYEES	SALARY	38	3500	(null)	(null)	0	SHARED
15	EMPLOYEES	SALARY	40	3600	(null)	(null)	0	SHARED
16	EMPLOYEES	SALARY	41	3800	(null)	(null)	0	SHARED
17	EMPLOYEES	SALARY	42	3900	(null)	(null)	0	SHARED
18	EMPLOYEES	SALARY	43	4000	(null)	(null)	0	SHARED
19	EMPLOYEES	SALARY	44	4100	(null)	(null)	0	SHARED
20	EMPLOYEES	SALARY	46	4200	(null)	(null)	0	SHARED
21	EMPLOYEES	SALARY	47	4400	(null)	(null)	0	SHARED
22	EMPLOYEES	SALARY	49	4800	(null)	(null)	0	SHARED

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Questão 7)

select salary from employees where salary >= 12000;



Questão 8)

analyze table EMPLOYEES delete statistics;

Questão 9)

select * from employees natural join departments;

