**Anton Slizh’s**

**U1M4.LW. Access and Join Methods Part 1**

*GitHub: https://github.com/drapejny/DataCamp2022/tree/master/u1/lab\_4*

**Task 1**

Step 1:

Creating table t2

CREATE TABLE t2 AS

SELECT TRUNC(rownum / 100) id, RPAD(rownum, 100) t\_pad

FROM dual

CONNECT BY rownum < 100000;

Step 2:

Creating index on t2(id)

CREATE INDEX t2\_idx1 ON t2 (id);

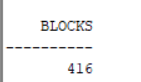
Step 3:

Selecting block count

SELECT blocks

FROM user\_segments

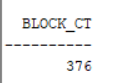
WHERE segment\_name = 'T2';



Selecting used blocks count

SELECT COUNT(DISTINCT (dbms\_rowid.rowid\_block\_number(rowid))) block\_ct

FROM t2;



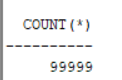
Enable autotrace

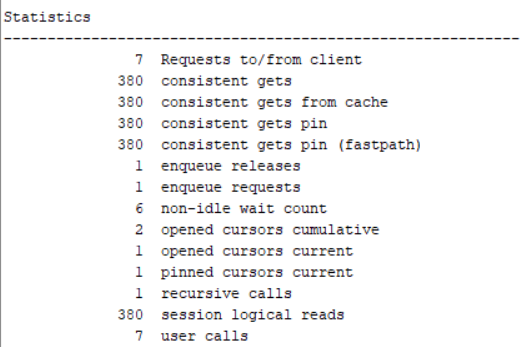
SET AUTOTRACE ON;

Selecting all rows count and show statistics

SELECT COUNT(\*)

FROM t2;





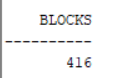
Step 4:

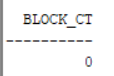
Deleting all rows from t2

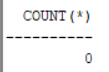
DELETE FROM t2;

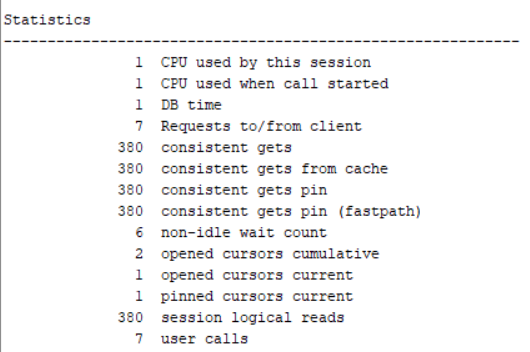
Step 5:

Repeating step 3









Step 6:

Inserting one row into t2 table

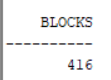
INSERT INTO t2 (ID, T\_PAD)

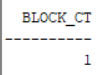
VALUES (1, '1');

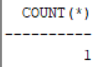
COMMIT;

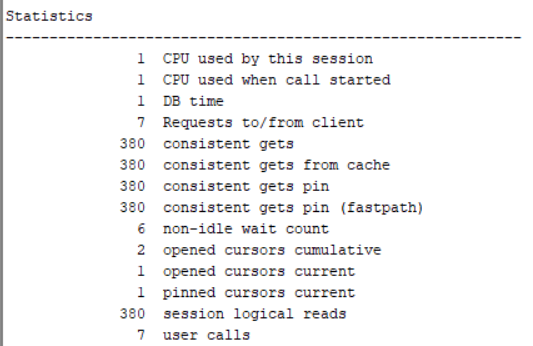
Step 7:

Repeating step 3









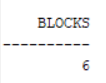
Step 8:

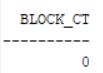
Truncating t2 table

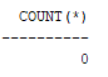
TRUNCATE TABLE t2;

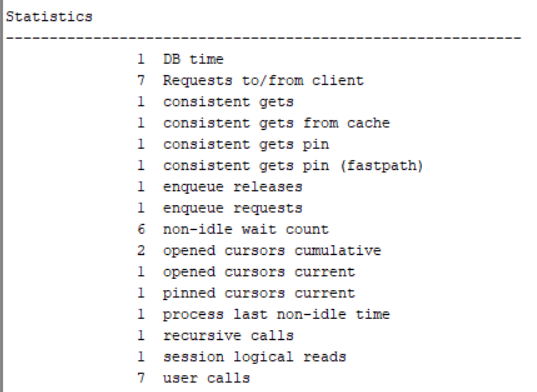
Step 9:

Repeating step 3









Result table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| № | Count of Blocks | Count of Used Blocks | Count of Rows | Consistent gets | Description |
| 1 | 416 | 376 | 99999 | 380 | Selecting on filled table |
| 2 | 416 | 0 | 0 | 380 | Selecting on empty table after delete operation |
| 3 | 416 | 1 | 1 | 380 | Selecting on table with 1 row |
| 4 | 6 | 0 | 0 | 1 | Selecting on empty table after truncate operation |