

Assign2 Remark

Incorrect read page id but not in log_read_page function

I fail most of the tests. And only 1/9 for the part "Final Test Score (query + I/O, max 9)".

The reason is:

In the beginning, I record the page into buffer just with loop variable 0, 1, 2,...(in the sample test, it's the same as the pid). After I finished my code and checked the forum, I know the pid and loop variable are different.

I try to modify my code but miss one function (this problem can't be found via sample tests since pid is the same as loop variable)

It means I give the wrong pid. Just 4 lines need to be modified:

Add one line in the selection operator

```
339 fseek(table_fp, i * cf_ro->page_size, SEEK_SET);
```

Change one parameter in the same function

from

```
365 release_page(pool, table_name, i);

621 release_page(pool, table_name_inner, j);

626 release_page(pool, table_name_outer, loop * (cf_ro->buf_slots - 1) + i);
```

to

```
366 release_page(pool, table_name, pid);

622 release_page(pool, table_name_inner, pid2);

627 fseek(table_fp1, (loop * (cf_ro->buf_slots - 1) + i) * cf_ro->page_size, SEEK_SET);
628 fread(&pid1, sizeof(UINT64), 1, table_fp1);
629 release_page(pool, table_name_outer, pid1);
```

```
364 | } |
365 | release_page(pool, table_name, i); |
366 | } |

365 | } |
366 | release_page(pool, table_name, pid); |
367 | }
```

<pre> 621- release_page(pool, table_name_inner, j); 622- } 623- 624- // release outer table page 625- for (UINT i = 0; i < out_loop; i++){ 626- release_page(pool, table_name_outer, loop * (cf_ro->buf_slots - 1) + i); </pre>	<pre> → 622+ 623+ 624+ 625+ 626+ 627+ 628+ 629+ </pre>	<pre> release_page(pool, table_name_inner, pid2); } // release outer table page for (UINT i = 0; i < out_loop; i++){ fseek(table_fp1, (loop * (cf_ro->buf_slots - 1) + i) * cf_ro- >page_size, SEEK_SET); fread(&pid1, sizeof(UINT64), 1, table_fp1); release_page(pool, table_name_outer, pid1); </pre>
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