

Laboratory #2.2

DBxic: our toy database system

What to do:

1. Let's implement the update operation. For simplicity, let's focus only on equalities:

```
UPDATE <table> SET <att_1>=<val_1> [, <att_n>=<val_n>]+  
WHERE <att_i>=<val_i>
```

assuming that `att_i` is a key.

2. Try to think of all the points in the code where changes need to be carried out:
 - a. You need to make DBxic to understand your statement
 - b. The change needs to be performed
 - c. The modifications need to be brought to disk.

and perform them. Test your implementation within large tables.

3. Extra questions:
 - a. How could we access directly to the block containing the modified tuple given its position?
 - b. What does it change if we do not assume that `att_i` is a key?

What to deliver:

- You'll need to explain your changes to me personally, as well as answering the questions.
- Prepare any diagram/screenshot/text that you may need for the explanation

How:

- In pairs

Delivery through CV and discussion during our Lab slot: **October 28th (19:00)**