IN BETWEEN LIKE operators #77

Υλοποίηση των ΙΝ, BETWEEN, LIKE για όλες τις συνθήκες: SELECT, DELETE, UPDATE, INNER JOIN

Για το SELECT:

IN: SELECT * FROM table1 WHERE column1 IN (1,2,3)

BETWEEN: SELECT * FROM table1 WHERE column1 BETWEEN "A" AND "C"

LIKE: SELECT * FROM table1 WHERE column1 LIKE %A

Για το DELETE:

IN: DELETE FROM table1 WHERE column1 IN (1,2,3)

BETWEEN: DELETE FROM table1 WHERE column1 BETWEEN "A" AND "C"

LIKE: DELETE FROM table1 WHERE column1 LIKE %A

Για το UPDATE:

IN: UPDATE table1 SET column1 = value1 WHERE column2 IN (1,2,3)

BETWEEN: UPDATE table1 SET column1 = value1 WHERE column2 BETWEEN "A" AND "C"

LIKE: UPDATE table1 SET column1 = value1 WHERE column2 LIKE %A

Για το INNER JOIN:

IN: SELECT * FROM table1 INNER JOIN table2 ON column1 = column1 WHERE table1.column2 IN (1,2,3)

BETWEEN: SELECT * FROM table1 INNER JOIN table2 ON column1 = column1 WHERE table1.column2 BETWEEN "A" AND "C"

LIKE: SELECT * FROM table1 INNER JOIN table2 ON column1 = column1 WHERE table1.column2 LIKE %A

Σε όλα τα παραδείγματα χρησιμοποιείται ο παρακάτω πίνακας:

•	select * from surname (str)	students grade (int)
vasilis	vasiliou	10
manolis	xristou	7
xristos	xristou	9
kostas	spirou	7

Παράδειγμα με SELECT:

```
(university)> select * from students where name like %os
name (str)  grade (int)
-----xristos  xristou 9
```

Παράδειγμα με UPDATE:

INSERT INTO table SELECT ... #78

Πλήρης υλοποίηση του INSERT INTO table SELECT σε συνδυασμό και με το issue #77, δηλαδή το SELECT λειτουργεί και με τα IN, BETWEEN, LIKE.

Παράδειγμα εκτέλεσης:

```
(university)> insert into students select * from students2 where name like %os
(university)> select * from students
name (str) surname (str) grade (int)
vasilis vasiliou
                                    10
manolis
          xristou
                                     7
xristos
          xristou
                                     5
          spirou
                                     5
kostas
           vasiliou
giorgos
```

Ο πίνακας students2 που χρησιμοποιήθηκε είναι ο εξής:

```
(university)> select * from students2
name (str) surname (str) grade (int)
-----
giorgos vasiliou 7
vaggelis xristou 5
```

GROUP BY column [HAVING] clause #85

Πλήρης υλοποίηση του GROUP BY με τα εξής Aggregate Functions:

MIN(), MAX(), AVG(), COUNT(), SUM()

Παράδειγμα:

```
(university)> select count(name),surname from students group by surname count(name) (str) surname (str)

1 spirou
2 vasiliou
2 xristou
```

Και επίσης υλοποίηση των aggregate functions χωρίς το GROUP BY

```
(university)> select count(name) from students
count(name) (str)
-----5
```

Πλήρης υλοποίηση του HAVING:

```
(university)> select surname,count(name) from students group by surname having count(name) > 1
surname (str) count(name) (str)
-----
vasiliou 2
xristou 2
```