

______ Tue 16 Jul 2019 11:17:22 PM WITA Kernel Information: Linux 4.19.0-kali5-amd64 x86 64 root@IkyDhana:~ # cd Desktop/ root@IkyDhana:~/Desktop # sqlite3 Tugas5 SQLite version 3.27.2 2019-02-25 16:06:06 Enter ".help" for usage hints. sqlite> .header on sqlite> .mode column sqlite> .timer on sqlite> CREATE TABLE x (a,b); Run Time: real 0.253 user 0.000637 sys 0.000892 sqlite> INSERT INTO x VALUES (1, 'Alice'); Run Time: real 0.972 user 0.001450 sys 0.000000 sglite > INSERT INTO x VALUES (2, 'Bob'); Run Time: real 0.233 user 0.001205 sys 0.000000 sqlite> INSERT INTO x VALUES (3, 'Charlie'); Run Time: real 0.235 user 0.000000 sys 0.001165 sqlite> CREATE TABLE y (c,d); Run Time: real 0.257 user 0.000716 sys 0.000716 sqlite> INSERT INTO y VALUES (1, 3.14159); Run Time: real 0.230 user 0.000000 sys 0.001206 sqlite> INSERT INTO y VALUES (1, 2.71828); Run Time: real 0.224 user 0.000586 sys 0.000527 sqlite> INSERT INTO y VALUES (2, 1.61803); Run Time: real 0.229 user 0.000000 sys 0.001045 sqlite> CREATE TABLE z (a,e); Run Time: real 0.251 user 0.000000 sys 0.001283 sqlite> INSERT INTO z VALUES (1, 100); Run Time: real 0.437 user 0.001570 sys 0.000000 sqlite> INSERT INTO z VALUES (1, 150); Run Time: real 0.224 user 0.001016 sys 0.000000 sqlite> INSERT INTO z VALUES (3, 300); Run Time: real 0.227 user 0.000985 sys 0.000000 sqlite> INSERT INTO z VALUES (9, 900); Run Time: real 0.222 user 0.001176 sys 0.000000 sqlite> SELECT * FROM x; b 1. Alice 2. Bob 3. Charlie Run Time: real 0.000 user 0.000192 sys 0.000169 sqlite> SELECT d, d*d AS dSquared FROM y; dSquared _____ 3.141599.86958772812.718287.3890461584

1.61803 2.6180210809 Run Time: real 0.001 user 0.000159 sys 0.000140 sqlite> SELECT * FROM x JOIN y; a b c 1. Alice 1 3.14159
1. Alice 1 2.71828
1. Alice 2 1.61803
2. Bob 1 3.14159
3. Bob 1 2.71828
4. Bob 2 1.61803
5. Charlie 1 3.14159
6. Charlie 1 2.71828
7. Charlie 2 1.61803
Bun Time: real 0.000 year 0.000250 Run Time: real 0.000 user 0.000250 sys 0.000218 sqlite> SELECT * FROM x CROSS JOIN y; a b c 1. Alice 1 3.14159
1. Alice 1 2.71828
1. Alice 2 1.61803
2. Bob 1 3.14159
3. Bob 1 2.71828
4. Bob 2 1.61803
5. Charlie 1 3.14159
6. Charlie 1 2.71828
7. Charlie 2 1.61803 Run Time: real 0.001 user 0.000000 sys 0.000559 sqlite> SELECT * FROM x, y; a b c 1. Alice 1 3.14159
1. Alice 1 2.71828
1. Alice 2 1.61803
2. Bob 1 3.14159
3. Bob 1 2.71828
4. Bob 2 1.61803
5. Charlie 1 3.14159
6. Charlie 1 2.71828
7. Charlie 2 1.61803 Run Time: real 0.001 user 0.000189 sys 0.000178 sqlite> SELECT * FROM x JOIN y ON a = c; a b c d 1. Alice 1 2.71828 1. Alice 1 3.14159 2. Bob 2 1.61803 Run Time: real 0.001 user 0.000229 sys 0.000296 sqlite> SELECT * FROM x JOIN z USING (a); a b e 1. Alice 100 1. Alice 150 3 Charlie 300

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Run Time: real 0.001 user 0.000219 sys 0.000219
sqlite> SELECT * FROM x NATURAL JOIN z;
                   е
      b
_____
1. Alice
            100
1. Alice
          150
   Charlie
                  300
Run Time: real 0.000 user 0.000284 sys 0.000253
sqlite> SELECT * FROM x LEFT OUTER JOIN z USING ( a );
                   е
      b
_____
1. Alice 100
1. Alice
           150
2. Bob
3. Charlie 300
Run Time: real 0.001 user 0.000217 sys 0.000205
sqlite> SELECT * FROM x JOIN y ON x.a = y.c LEFT OUTER JOIN z ON y.c =
z.a;
         b
                             d
                   С
                                        а
2.71828 1
2.71828 1
3.14159 1
3.14159 1
1. Alice 1
1. Alice 1
1. Alice 1
1. Alice 1
                                           100
                                           150
                                           100
                                           150
2. Bob 2 1.61803
Run Time: real 0.000 user 0.000384 sys 0.000384
sqlite> SELECT * FROM y WHERE d BETWEEN 1.0 AND 3.0;
   d
_____
1. 2.71828
2. 1.61803
Run Time: real 0.001 user 0.000174 sys 0.000166
sqlite> SELECT c, d, c+d AS sum FROM y WHERE sum < 4.0;
c d
             sum
______
1. 2.71828
            3.71828
2. 1.61803 3.61803
Run Time: real 0.000 user 0.000160 sys 0.000145
sqlite> SELECT a, count(a) AS count FROM z GROUP BY a;
   count
1. 2
3
         1
Run Time: real 0.000 user 0.000340 sys 0.000000
sqlite> SELECT a, sum(e), count(e),
  ... > sum(e)/count(e) AS expr, avg(e) AS agg
  ...> FROM z GROUP BY a;
      sum(e) count(e) expr
----- -----

    1. 250
    2
    125
    125.0

    3
    300
    1
    300
    300.0

    9
    900
    1
    900
    900.0

Run Time: real 0.000 user 0.000000 sys 0.000375
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sqlite> SELECT * FROM y ORDER BY d;
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c d

2. 1.61803

1. 2.71828

1. 3.14159

Run Time: real 0.000 user 0.000000 sys 0.000179

sqlite>