

## NULL workshop

Exploring behavior of NULL values in SQLite.

Recommended to do for every DBMS – behavior is DBMS-dependent.

Run the following SQL code (`.read null_tests.sql`) and record your observations.

This creates the following table

a	b	c
1	0	0
2	0	1
3	1	0
4	1	1
5	null	0
6	null	1
7	null	null

Table 1. Evaluating NULL in CASE clauses

b	c	b<>0	not b<>0	b<>0 and c<>0	b<>0 or c<>0	not (b<>0 and c<>0)	not (b<>0 or c<>0)	b=c
null	0							
null	1							
null	null							

Table 2. Evaluating NULL in arithmetic expressions

b	c	b*0	b*c	b+c
null	0			
null	1			
null	null			

Table 3. NULLs in WHERE clause

b	c	b<10	not b>10	b<10 OR c=1	b<10 AND c=1	not (b<10 AND c=1)	(c=1 AND b<10)
null	0						
null	1						
null	null						

Table 4. Other queries when *b* is NULL

distinct b	b union b	unique