

```
1  -- EXECUTING ALL IN 'SQL 1 *'
2  --
3  -- At line 1:
4  SELECT * From people;
5  -- Result: 1000 rows returned in 100ms
6  -- EXECUTING ALL IN 'SQL 1 *'
7  --
8  -- At line 1:
9  SELECT * From people;
10 -- Result: 1000 rows returned in 7ms
11 -- EXECUTING ALL IN 'SQL 1 *'
12 --
13 -- At line 1:
14 SELECT first_name From people;
15 -- Result: 1000 rows returned in 16ms
16 -- EXECUTING ALL IN 'SQL 1 *'
17 --
18 -- At line 1:
19 SELECT 'Hello, WORLD' ;
20 -- Result: 1 rows returned in 29ms
21 -- EXECUTING ALL IN 'SQL 1 *'
22 --
23 -- At line 1:
24 SELECT first_name from people;
25 -- Result: 1000 rows returned in 14ms
26 -- EXECUTING ALL IN 'SQL 1 *'
27 --
28 -- At line 1:
29 SELECT 'first_name' from people;
30 -- Result: 1000 rows returned in 7ms
31 -- EXECUTING ALL IN 'SQL 1 *'
32 --
33 -- At line 1:
34 SELECT last_name from people;
35 -- Result: 1000 rows returned in 12ms
36 -- EXECUTING ALL IN 'SQL 1 *'
37 --
38 -- At line 1:
39 SELECT last_name, first_name from people;
40 -- Result: 1000 rows returned in 6ms
41 -- EXECUTING ALL IN 'SQL 1 *'
42 --
43 -- At line 1:
44 SELECT * from people;
45 -- Result: 1000 rows returned in 15ms
46 -- EXECUTING ALL IN 'SQL 1 *'
47 --
48 -- At line 1:
49 SELECT city from people;
50 -- Result: 1000 rows returned in 7ms
51 -- EXECUTING ALL IN 'SQL 1 *'
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52 --
53 -- At line 1:
54 SELECT * from people;
55 -- Result: 1000 rows returned in 7ms
56 -- EXECUTING ALL IN 'SQL 1 *'
57 --
58 -- At line 1:
59 SELECT team from people;
60 -- Result: 1000 rows returned in 12ms
61 -- EXECUTING ALL IN 'SQL 1 *'
62 --
63 -- At line 1:
64 SELECT team, first_name, last_name, city from people;
65 -- Result: 1000 rows returned in 11ms
66 -- EXECUTING ALL IN 'SQL 1 *'
67 --
68 -- At line 1:
69 SELECT team, first_name, last_name, city, quiz_points from people;
70 -- Result: 1000 rows returned in 9ms
71 -- EXECUTING ALL IN 'SQL 1 *'
72 --
73 -- At line 1:
74 SELECT * from people;
75 -- Result: 1000 rows returned in 10ms
76 -- EXECUTING ALL IN 'SQL 1 *'
77 --
78 -- At line 1:
79 SELECT * from people
80 WHERE state='CA';
81 -- Result: 127 rows returned in 11ms
82 -- EXECUTING ALL IN 'SQL 1 *'
83 --
84 -- At line 1:
85 SELECT * from people
86 WHERE state='CA' and team="red";
87 -- Result: 43 rows returned in 11ms
88 -- EXECUTING ALL IN 'SQL 1 *'
89 --
90 -- At line 1:
91 SELECT * from people
92 WHERE state='CA' and team="red" and shirt_or_hat='hat';
93 -- Result: 22 rows returned in 13ms
94 -- EXECUTING ALL IN 'SQL 1 *'
95 --
96 -- At line 1:
97 SELECT * from people
98 WHERE state='CA' and team="red" and shirt_or_hat='shirt';
99 -- Result: 21 rows returned in 14ms
100 -- EXECUTING ALL IN 'SQL 1 *'
101 --
102 -- At line 1:
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103 SELECT first_name, last_name from people
104 WHERE state='CA' and team="red" and shirt_or_hat='shirt';
105 -- Result: 21 rows returned in 9ms
106 -- EXECUTING ALL IN 'SQL 1 *'
107 --
108 -- At line 1:
109 SELECT first_name, last_name, shirt_or_hat from people
110 WHERE state='CA' and team="red" and shirt_or_hat='shirt';
111 -- Result: 21 rows returned in 11ms
112 -- EXECUTING ALL IN 'SQL 1 *'
113 --
114 -- At line 1:
115 SELECT first_name, last_name from people
116 WHERE state='CA' and team="red" and shirt_or_hat='shirt';
117 -- Result: 21 rows returned in 13ms
118 -- EXECUTING ALL IN 'SQL 1 *'
119 --
120 -- At line 1:
121 SELECT first_name, last_name
122 FROM people
123 WHERE state='CA; and shirt_or_hat='shirt
124 -- Result: near "shirt": syntax error
125 -- EXECUTING ALL IN 'SQL 1 *'
126 --
127 -- At line 1:
128 SELECT first_name, last_name
129 FROM people
130 WHERE state='CA' and shirt_or_hat='shirt';
131 -- Result: 54 rows returned in 10ms
132 -- EXECUTING ALL IN 'SQL 1 *'
133 --
134 -- At line 1:
135 SELECT first_name, last_name
136 FROM people
137 WHERE state='CA' and shirt_or_hat='shirt' and team = 'blue';
138 -- Result: 12 rows returned in 18ms
139 -- EXECUTING ALL IN 'SQL 1 *'
140 --
141 -- At line 1:
142 SELECT first_name, last_name
143 FROM people
144 WHERE state='CA' and shirt_or_hat='shirt' and team is 'blue';
145 -- Result: 12 rows returned in 10ms
146 -- EXECUTING ALL IN 'SQL 1 *'
147 --
148 -- At line 1:
149 SELECT first_name, last_name
150 FROM people
151 WHERE state='CA' and shirt_or_hat='shirt' and team is NOT 'blue';
152 -- Result: 42 rows returned in 11ms
153 -- EXECUTING ALL IN 'SQL 1 *'

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154 --
155 -- At line 1:
156 SELECT first_name, last_name
157 FROM people
158 WHERE state='CA' and shirt_or_hat='shirt' and team IS NOT 'blue';
159 -- Result: 42 rows returned in 10ms
160 -- EXECUTING ALL IN 'SQL 1 *'
161 --
162 -- At line 1:
163 SELECT first_name, last_name
164 FROM people
165 WHERE state='CA' and shirt_or_hat='shirt' and team != 'blue';
166 -- Result: 42 rows returned in 9ms
167 -- EXECUTING ALL IN 'SQL 1 *'
168 --
169 -- At line 1:
170 SELECT first_name, last_name
171 FROM people
172 WHERE state='CA' or state is 'CO' and shirt_or_hat='shirt' and team != 'blue';
173 -- Result: 135 rows returned in 16ms
174 -- EXECUTING ALL IN 'SQL 1 *'
175 --
176 -- At line 1:
177 SELECT first_name, last_name, state
178 FROM people
179 WHERE state='CA' or state is 'CO' and shirt_or_hat='shirt' and team != 'blue';
180 -- Result: 135 rows returned in 9ms
181 -- EXECUTING ALL IN 'SQL 1 *'
182 --
183 -- At line 1:
184 SELECT first_name, last_name, state, shirt_or_hat
185 FROM people
186 WHERE state='CA' or state is 'CO' and shirt_or_hat='shirt' and team != 'blue';
187 -- Result: 135 rows returned in 15ms
188 -- EXECUTING ALL IN 'SQL 1 *'
189 --
190 -- At line 1:
191 SELECT first_name, last_name, state, shirt_or_hat
192 FROM people
193 WHERE (state='CA' or state is 'CO') and shirt_or_hat='shirt' and team != 'blue';
194 -- Result: 50 rows returned in 9ms
195 -- EXECUTING ALL IN 'SQL 1 *'
196 --
197 -- At line 1:
198 SELECT first_name, last_name, state, shirt_or_hat, team
199 FROM people
200 WHERE (state='CA' or state is 'CO') and shirt_or_hat='shirt' and team != 'blue';
201 -- Result: 50 rows returned in 10ms
202 -- EXECUTING ALL IN 'SQL 1 *'
203 --
204 -- At line 1:

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205 SELECT first_name, last_name, state
206 FROM people
207 WHERE state like 'C%';
208 -- Result: 169 rows returned in 12ms
209 -- EXECUTING ALL IN 'SQL 1 *'
210 --
211 -- At line 1:
212 SELECT first_name, last_name, state
213 FROM people
214 WHERE state like 'N%';
215 -- Result: 126 rows returned in 11ms
216 -- EXECUTING ALL IN 'SQL 1 *'
217 --
218 -- At line 1:
219 SELECT first_name, last_name, state
220 FROM people
221 WHERE state like '%N';
222 -- Result: 62 rows returned in 9ms
223 -- EXECUTING ALL IN 'SQL 1 *'
224 --
225 -- At line 1:
226 SELECT first_name, last_name, state
227 FROM people
228 WHERE first_name like 'J%';
229 -- Result: 142 rows returned in 9ms
230 -- EXECUTING ALL IN 'SQL 1 *'
231 --
232 -- At line 1:
233 SELECT first_name, last_name, state
234 FROM people
235 WHERE first_name like '%J%';
236 -- Result: 147 rows returned in 10ms
237 -- EXECUTING ALL IN 'SQL 1 *'
238 --
239 -- At line 1:
240 SELECT first_name, last_name, state
241 FROM people
242 WHERE first_name like '%ch%';
243 -- Result: 64 rows returned in 14ms
244 -- EXECUTING ALL IN 'SQL 1 *'
245 --
246 -- At line 1:
247 SELECT first_name, last_name, state, company
248 FROM people
249 WHERE company like '%LLC';
250 -- Result: 76 rows returned in 11ms
251 -- EXECUTING ALL IN 'SQL 1 *'
252 --
253 -- At line 1:
254 SELECT first_name, last_name, state, company
255 FROM people
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256 WHERE company like '%LLC'
257 LIMIT 5;
258 -- Result: 5 rows returned in 9ms
259 -- EXECUTING ALL IN 'SQL 1 *'
260 --
261 -- At line 1:
262 SELECT first_name, last_name, state, company
263 FROM people
264 WHERE company like '%LLC'
265 LIMIT 11;
266 -- Result: 11 rows returned in 9ms
267 -- EXECUTING ALL IN 'SQL 1 *'
268 --
269 -- At line 1:
270 SELECT first_name, last_name, state, company
271 FROM people
272 WHERE company like '%LLC'
273 LIMIT 5 to
274 -- Result: near "to": syntax error
275 -- EXECUTING ALL IN 'SQL 1 *'
276 --
277 -- At line 1:
278 SELECT first_name, last_name, state, company
279 FROM people
280 WHERE company like '%LLC'
281 LIMIT 10 offset 5;
282 -- Result: 10 rows returned in 14ms
283 -- EXECUTING ALL IN 'SQL 1 *'
284 --
285 -- At line 1:
286 SELECT first_name, last_name, state, company
287 FROM people
288 WHERE company like '%LLC'
289 LIMIT 10 offset 7;
290 -- Result: 10 rows returned in 14ms
291 -- EXECUTING ALL IN 'SQL 1 *'
292 --
293 -- At line 1:
294 SELECT first_name, last_name, state, company
295 FROM people
296 WHERE company like '%LLC'
297 LIMIT 10 offset 9;
298 -- Result: 10 rows returned in 13ms
299 -- EXECUTING ALL IN 'SQL 1 *'
300 --
301 -- At line 1:
302 SELECT first_name, last_name, state, company
303 FROM people
304 WHERE company like '%LLC'
305 LIMIT 10 offset 100;
306 -- Result: 0 rows returned in 9ms
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```
307 -- EXECUTING ALL IN 'SQL 1 *'
308 --
309 -- At line 1:
310 SELECT first_name, last_name, state, company
311 FROM people
312 WHERE company like '%LLC'
313 LIMIT 10 offset 99;
314 -- Result: 0 rows returned in 9ms
315 -- EXECUTING ALL IN 'SQL 1 *'
316 --
317 -- At line 1:
318 SELECT first_name, last_name, state, company
319 FROM people
320 WHERE company like '%LLC'
321 LIMIT 10 offset 3;
322 -- Result: 10 rows returned in 9ms
323 -- EXECUTING ALL IN 'SQL 1 *'
324 --
325 -- At line 1:
326 SELECT first_name, last_name
327 FROM people;
328 -- Result: 1000 rows returned in 9ms
329 -- EXECUTING ALL IN 'SQL 1 *'
330 --
331 -- At line 1:
332 SELECT first_name, last_name
333 FROM people
334 ORDER by first_name;
335 -- Result: 1000 rows returned in 13ms
336 -- EXECUTING ALL IN 'SQL 1 *'
337 --
338 -- At line 1:
339 SELECT first_name, last_name
340 FROM people
341 ORDER by first_name, last_name;
342 -- Result: 1000 rows returned in 12ms
343 -- EXECUTING ALL IN 'SQL 1 *'
344 --
345 -- At line 1:
346 SELECT first_name, last_name
347 FROM people
348 ORDER by first_name, last_name DESC;
349 -- Result: 1000 rows returned in 9ms
350 -- EXECUTING ALL IN 'SQL 1 *'
351 --
352 -- At line 1:
353 SELECT first_name, last_name
354 FROM people
355 ORDER by first_name DESC;
356 -- Result: 1000 rows returned in 11ms
357 -- EXECUTING ALL IN 'SQL 1 *'
```



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358 --
359 -- At line 1:
360 SELECT first_name, last_name
361 FROM people
362 ORDER by first_name DESC last_name
363 -- Result: near "last_name": syntax error
364 -- EXECUTING ALL IN 'SQL 1 *'
365 --
366 -- At line 1:
367 SELECT state, last_name, first_name
368 FROM people
369 ORDER BY state ASC, last_name ASC;
370 -- Result: 1000 rows returned in 36ms
371 -- EXECUTING ALL IN 'SQL 1 *'
372 --
373 -- At line 1:
374 SELECT state, last_name, first_name
375 FROM people
376 ORDER BY state ASC, last_name DESC;
377 -- Result: 1000 rows returned in 9ms
378 -- EXECUTING ALL IN 'SQL 1 *'
379 --
380 -- At line 1:
381 SELECT first_name
382 FROM people;
383 -- Result: 1000 rows returned in 32ms
384 -- EXECUTING ALL IN 'SQL 1 *'
385 --
386 -- At line 1:
387 SELECT first_name, length(first_name
388 FROM
389 -- Result: near "FROM": syntax error
390 -- EXECUTING ALL IN 'SQL 1 *'
391 --
392 -- At line 1:
393 SELECT first_name, length(first_name)
394 FROM people;
395 -- Result: 1000 rows returned in 26ms
396 -- EXECUTING ALL IN 'SQL 1 *'
397 --
398 -- At line 1:
399 SELECT first_name, length(first_name)
400 FROM people
401 DISTINCT
402 -- Result: near "DISTINCT": syntax error
403 -- EXECUTING ALL IN 'SQL 1 *'
404 --
405 -- At line 1:
406 SELECT first_name, length(first_name)
407 FROM people
408 DISTINCT
```



```
409 -- Result: near "DISTINCT": syntax error
410 -- EXECUTING ALL IN 'SQL 1 *'
411 --
412 -- At line 1:
413 SELECT DISTINCT(first_name), length(first_name)
414 FROM people ;
415 -- Result: 198 rows returned in 13ms
416 -- EXECUTING ALL IN 'SQL 1 *'
417 --
418 -- At line 1:
419 SELECT DISTINCT(first_name), length(first_name)
420 FROM people
421 ORDER by first_name;
422 -- Result: 198 rows returned in 13ms
423 -- EXECUTING ALL IN 'SQL 1 *'
424 --
425 -- At line 1:
426 SELECT DISTINCT(first_name), length(first_name)
427 FROM people
428 ORDER by first_name, length(first_name;
429 -- Result: near ";": syntax error
430 -- EXECUTING ALL IN 'SQL 1 *'
431 --
432 -- At line 1:
433 SELECT DISTINCT(first_name), length(first_name)
434 FROM people
435 ORDER by first_name, length(first_name);
436 -- Result: 198 rows returned in 14ms
437 -- EXECUTING ALL IN 'SQL 1 *'
438 --
439 -- At line 1:
440 SELECT DISTINCT(first_name), length(first_name)
441 FROM people
442 ORDER by length(first_name);
443 -- Result: 198 rows returned in 12ms
444 -- EXECUTING ALL IN 'SQL 1 *'
445 --
446 -- At line 1:
447 SELECT DISTINCT(first_name), length(first_name)
448 FROM people
449 ORDER by length(first_name) DESC;
450 -- Result: 198 rows returned in 10ms
451 -- EXECUTING ALL IN 'SQL 1 *'
452 --
453 -- At line 1:
454 SELECT DISTINCT(shirt_or_hat) from people;
455 -- Result: 2 rows returned in 22ms
456 -- EXECUTING ALL IN 'SQL 1 *'
457 --
458 -- At line 1:
459 SELECT count(*) from people
```

```
460 WHERE state is 'CA';
461 -- Result: 1 rows returned in 12ms
462 -- EXECUTING ALL IN 'SQL 1 *'
463 --
464 -- At line 1:
465 SELECT count(first_name) from people
466 WHERE state is 'CA';
467 -- Result: 1 rows returned in 15ms
468 -- EXECUTING ALL IN 'SQL 1 *'
469 --
470 -- At line 1:
471 SELECT first_name, state
472 from people;
473 -- Result: 1000 rows returned in 12ms
474 -- EXECUTING ALL IN 'SQL 1 *'
475 --
476 -- At line 1:
477 SELECT first_name, state
478 from people
479 JOIN states;
480 -- Result: 50000 rows returned in 27ms
481 -- EXECUTING ALL IN 'SQL 1 *'
482 --
483 -- At line 1:
484 SELECT first_name, state
485 from people
486 JOIN states.state_abbrev;
487 -- Result: no such table: states.state_abbrev
488 -- EXECUTING ALL IN 'SQL 1 *'
489 --
490 -- At line 1:
491 SELECT first_name, state
492 from people
493 JOIN states.state_abbrev
494 on people.state = state_abbrev;
495 -- Result: no such table: states.state_abbrev
496 -- EXECUTING ALL IN 'SQL 1 *'
497 --
498 -- At line 1:
499 SELECT first_name, state
500 from people
501 JOIN states
502 on people.state = states.state_abbrev;
503 -- Result: 1000 rows returned in 30ms
504 -- EXECUTING ALL IN 'SQL 1 *'
505 --
506 -- At line 1:
507 SELECT people.first_name, people.state, states.division
508 from people
509 JOIN states
510 on people.state = states.state_abbrev;
```

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511 -- Result: 1000 rows returned in 10ms
512 -- EXECUTING ALL IN 'SQL 1*'
513 --
514 -- At line 1:
515 SELECT *
516 from people
517 JOIN states
518 on people.state = states.state_abbrev;
519 -- Result: 1000 rows returned in 10ms
520 -- EXECUTING ALL IN 'SQL 1*'
521 --
522 -- At line 1:
523 SELECT *
524 from people
525 JOIN states
526 on people.state = states.state_abbrev
527 WHERE people.first_name like "J%" and states.division is 'South';
528 -- Result: 0 rows returned in 11ms
529 -- EXECUTING ALL IN 'SQL 1*'
530 --
531 -- At line 1:
532 SELECT *
533 from people
534 JOIN states
535 on people.state = states.state_abbrev
536 WHERE people.first_name like "J%" and states.division like 'South%';
537 -- Result: 34 rows returned in 10ms
538 -- EXECUTING ALL IN 'SQL 1*'
539 --
540 -- At line 1:
541 SELECT *
542 from people
543 JOIN states
544 on people.state = states.state_abbrev
545 WHERE people.first_name like "J%" and states.region like 'South%';
546 -- Result: 65 rows returned in 11ms
547 -- EXECUTING ALL IN 'SQL 1*'
548 --
549 -- At line 1:
550 SELECT *
551 from people
552 JOIN states
553 on people.state = states.state_abbrev
554 WHERE people.first_name like "J%" and states.region is 'South';
555 -- Result: 65 rows returned in 12ms
556 -- EXECUTING ALL IN 'SQL 1*'
557 --
558 -- At line 1:
559 SELECT *
560 from people
561 FULL OUTER JOIN states
```

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562 on people.state = states.state_abbrev
563 WHERE people.first_name like "J%" and states.region is 'South';
564 -- Result: 65 rows returned in 13ms
565 -- EXECUTING ALL IN 'SQL 1 *'
566 --
567 -- At line 1:
568 SELECT *
569 from people
570 INNER JOIN states
571 on people.state = states.state_abbrev
572 WHERE people.first_name like "J%" and states.region is 'South';
573 -- Result: 65 rows returned in 15ms
574 -- EXECUTING ALL IN 'SQL 1 *'
575 --
576 -- At line 1:
577 SELECT *
578 from people
579 OUTER JOIN states
580 -- Result: unknown join type: OUTER
581 -- EXECUTING ALL IN 'SQL 1 *'
582 --
583 -- At line 1:
584 SELECT *
585 from people
586 LEFT JOIN states
587 on people.state = states.state_abbrev
588 WHERE people.first_name like "J%" and states.region is 'South';
589 -- Result: 65 rows returned in 19ms
590 -- EXECUTING ALL IN 'SQL 1 *'
591 --
592 -- At line 1:
593 SELECT people.first_name, people.last_name, people.state
594 FROM people
595 JOIN states on people.state = states.state_abbrev;
596 -- Result: 1000 rows returned in 13ms
597 -- EXECUTING ALL IN 'SQL 1 *'
598 --
599 -- At line 1:
600 SELECT people.first_name, people.last_name, people.state
601 FROM states
602 Left JOIN people on people.states = states.state_abbrev;
603 -- Result: no such column: people.states
604 -- EXECUTING ALL IN 'SQL 1 *'
605 --
606 -- At line 1:
607 SELECT people.first_name, people.last_name, people.state, states.state_abbrev
608 FROM states
609 Left JOIN people on people.state = states.state_abbrev;
610 -- Result: 1003 rows returned in 42ms
611 -- EXECUTING ALL IN 'SQL 1 *'
612 --

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613 -- At line 1:
614 SELECT people.first_name, people.last_name, people.state, states.state_abbrev
615 FROM states
616 Left JOIN people on people.state = states.state_abbrev
617 WHERE first_name is NULL;
618 -- Result: 3 rows returned in 26ms
619 -- EXECUTING ALL IN 'SQL 1 *'
620 --
621 -- At line 1:
622 SELECT DISTINCT(people.state), state.state_abbrev
623 FROM states
624 Left JOIN people on people.state = states.state_abbrev
625 ORDER by people.state;
626 -- Result: no such column: state.state_abbrev
627 -- EXECUTING ALL IN 'SQL 1 *'
628 --
629 -- At line 1:
630 SELECT DISTINCT(people.state), states.state_abbrev
631 FROM states
632 Left JOIN people on people.state = states.state_abbrev
633 ORDER by people.state;
634 -- Result: 50 rows returned in 12ms
635 -- EXECUTING ALL IN 'SQL 1 *'
636 --
637 -- At line 1:
638 SELECT first_name, count(first_name)
639 FROM people;
640 -- Result: 1 rows returned in 11ms
641 -- EXECUTING ALL IN 'SQL 1 *'
642 --
643 -- At line 1:
644 SELECT first_name, count(first_name)
645 FROM people
646 GROUP by first_name;
647 -- Result: 198 rows returned in 10ms
648 -- EXECUTING ALL IN 'SQL 1 *'
649 --
650 -- At line 1:
651 SELECT first_name, count(first_name)
652 FROM people
653 GROUP by first_name
654 ORDER by counn(first_name) DESC;
655 -- Result: no such function: counn
656 -- EXECUTING ALL IN 'SQL 1 *'
657 --
658 -- At line 1:
659 SELECT first_name, count(first_name)
660 FROM people
661 GROUP by first_name
662 ORDER by count(first_name) DESC;
663 -- Result: 198 rows returned in 15ms

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664 -- EXECUTING ALL IN 'SQL 1 *'
665 --
666 -- At line 1:
667 SELECT first_name, count(last_name)
668 FROM people
669 GROUP by last_name;
670 -- Result: 245 rows returned in 10ms
671 -- EXECUTING ALL IN 'SQL 1 *'
672 --
673 -- At line 1:
674 SELECT first_name, count(last_name)
675 FROM people
676 GROUP by last_name
677 ORDER by count(last_name) DESC;
678 -- Result: 245 rows returned in 13ms
679 -- EXECUTING ALL IN 'SQL 1 *'
680 --
681 -- At line 1:
682 SELECT last_name, count(last_name)
683 FROM people
684 GROUP by last_name
685 ORDER by count(last_name) DESC;
686 -- Result: 245 rows returned in 10ms
687 -- EXECUTING ALL IN 'SQL 1 *'
688 --
689 -- At line 1:
690 SELECT state, count(state)
691 FROM people
692 GROUP by state
693 -- Result: 47 rows returned in 11ms
694 -- EXECUTING ALL IN 'SQL 1 *'
695 --
696 -- At line 1:
697 SELECT state, count(state)
698 FROM people
699 GROUP by state
700 ORDER by state DESC;
701 -- Result: 47 rows returned in 11ms
702 -- EXECUTING ALL IN 'SQL 1 *'
703 --
704 -- At line 1:
705 SELECT state, count(state)
706 FROM people
707 GROUP by state
708 ORDER by count(state) DESC;
709 -- Result: 47 rows returned in 11ms
710 -- EXECUTING ALL IN 'SQL 1 *'
711 --
712 -- At line 1:
713 SELECT state, quiz_points, count(quiz_points)
714 FROM people
```



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715 GROUP by quiz_points;
716 -- Result: 10 rows returned in 12ms
717 -- EXECUTING ALL IN 'SQL 1 *'
718 --
719 -- At line 1:
720 SELECT state, quiz_points, count(quiz_points)
721 FROM people
722 GROUP by state, quiz_points;
723 -- Result: 290 rows returned in 10ms
724 -- EXECUTING ALL IN 'SQL 1 *'
725 --
726 -- At line 1:
727 SELECT state, quiz_points, count(quiz_points)
728 FROM people
729 GROUP by state, quiz_points
730 GROUP
731 -- Result: near "GROUP": syntax error
732 -- EXECUTING ALL IN 'SQL 1 *'
733 --
734 -- At line 1:
735 SELECT state, quiz_points, count(quiz_points)
736 FROM people
737 GROUP by state, quiz_points
738 ORDER by quiz_points;
739 -- Result: 290 rows returned in 17ms
740 -- EXECUTING ALL IN 'SQL 1 *'
741 --
742 -- At line 1:
743 SELECT state, quiz_points, count(quiz_points)
744 FROM people
745 GROUP by state, quiz_points
746 ORDER by count(quiz_points);
747 -- Result: 290 rows returned in 11ms
748 -- EXECUTING ALL IN 'SQL 1 *'
749 --
750 -- At line 1:
751 SELECT state, quiz_points, count(quiz_points)
752 FROM people
753 GROUP by state, quiz_points
754 ORDER by count(quiz_points) DESC;
755 -- Result: 290 rows returned in 11ms
756 -- EXECUTING ALL IN 'SQL 1 *'
757 --
758 -- At line 1:
759 SELECT first_name, last_name, quiz_points
760 FROM people
761 WHERE quiz_points = max(quiz_points);
762 -- Result: misuse of aggregate function max()
763 -- EXECUTING ALL IN 'SQL 1 *'
764 --
765 -- At line 1:
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```

766 SELECT first_name, last_name, quiz_points
767 FROM people
768 WHERE quiz_points = SELECT
769 -- Result: near "SELECT": syntax error
770 -- EXECUTING ALL IN 'SQL 1 *'
771 --
772 -- At line 1:
773 SELECT first_name, last_name, quiz_points
774 FROM people
775 WHERE quiz_points = (SELECT max(qiz_points) from people);
776 -- Result: no such column: qiz_points
777 -- EXECUTING ALL IN 'SQL 1 *'
778 --
779 -- At line 1:
780 SELECT first_name, last_name, quiz_points
781 FROM people
782 WHERE quiz_points = (SELECT max(quiz_points) from people);
783 -- Result: 152 rows returned in 19ms
784 -- EXECUTING ALL IN 'SQL 1 *'
785 --
786 -- At line 1:
787 SELECT first_name, last_name, quiz_points
788 FROM people
789 WHERE quiz_points = (SELECT max(quiz_points) from people)
790 ORDER by last_name DESC;
791 -- Result: 152 rows returned in 10ms
792 -- EXECUTING ALL IN 'SQL 1 *'
793 --
794 -- At line 1:
795 SELECT * from people
796 WHERE state = (SELECT state_abbrev from states WHERE state_name = 'Minnesota');
797 -- Result: 19 rows returned in 14ms
798 -- EXECUTING ALL IN 'SQL 1 *'
799 --
800 -- At line 1:
801 SELECT 4 + 5
802 -- Result: 1 rows returned in 9ms
803 -- EXECUTING ALL IN 'SQL 1 *'
804 --
805 -- At line 1:
806 SELECT 1/3
807 -- Result: 1 rows returned in 26ms
808 -- EXECUTING ALL IN 'SQL 1 *'
809 --
810 -- At line 1:
811 SELECT 1/3.0
812 -- Result: 1 rows returned in 17ms
813 -- EXECUTING ALL IN 'SQL 1 *'
814 --
815 -- At line 1:
816 SELECT 3 > 4

```

```

817 -- Result: 1 rows returned in 10ms
818 -- EXECUTING ALL IN 'SQL 1 *'
819 --
820 -- At line 1:
821 SELECT 4=4
822 -- Result: 1 rows returned in 27ms
823 -- EXECUTING ALL IN 'SQL 1 *'
824 --
825 -- At line 1:
826 SELECT 4!=4
827 -- Result: 1 rows returned in 9ms
828 -- EXECUTING ALL IN 'SQL 1 *'
829 --
830 -- At line 1:
831 SELECT first_name, quiz_points
832 FROM people
833 WHERE quiz_points >= 70
834 -- Result: 657 rows returned in 12ms
835 -- EXECUTING ALL IN 'SQL 1 *'
836 --
837 -- At line 1:
838 SELECT first_name, quiz_points
839 FROM people
840 WHERE quiz_points >= 70
841 ORDER by quiz_points DESC
842 -- Result: 657 rows returned in 10ms
843 -- EXECUTING ALL IN 'SQL 1 *'
844 --
845 -- At line 1:
846 SELECT max(quiz_points).
847 -- Result: near ".": syntax error
848 -- EXECUTING ALL IN 'SQL 1 *'
849 --
850 -- At line 1:
851 SELECT max(quiz_points).
852 -- Result: near ".": syntax error
853 -- EXECUTING ALL IN 'SQL 1 *'
854 --
855 -- At line 1:
856 SELECT max(quiz_points).
857 -- Result: near ".": syntax error
858 -- EXECUTING ALL IN 'SQL 1 *'
859 --
860 -- At line 1:
861 SELECT max(quiz_points), min(quiz_points)
862 FROM people;
863 -- Result: 1 rows returned in 13ms
864 -- EXECUTING ALL IN 'SQL 1 *'
865 --
866 -- At line 1:
867 SELECT state_name

```

```
868 FROM people
869 WHERE quiz_points = (SELECT min(quiz_points) from people );
870 -- Result: no such column: state_name
871 -- EXECUTING ALL IN 'SQL 1 *'
872 --
873 -- At line 1:
874 SELECT state_name, quiz_points
875 FROM people
876 WHERE quiz_points = (SELECT min(quiz_points) from people );
877 -- Result: no such column: state_name
878 -- EXECUTING ALL IN 'SQL 1 *'
879 --
880 -- At line 1:
881 SELECT state_name, quiz_points
882 FROM people
883 WHERE quiz_points = (SELECT min(quiz_points) FROM people );
884 -- Result: no such column: state_name
885 -- EXECUTING ALL IN 'SQL 1 *'
886 --
887 -- At line 1:
888 SELECT state_name, quiz_points
889 FROM people
890 WHERE quiz_points = (SELECT min(quiz_points) FROM people);
891 -- Result: no such column: state_name
892 -- EXECUTING ALL IN 'SQL 1 *'
893 --
894 -- At line 1:
895 SELECT state, quiz_points
896 FROM people
897 WHERE quiz_points = (SELECT min(quiz_points) FROM people);
898 -- Result: 60 rows returned in 13ms
899 -- EXECUTING ALL IN 'SQL 1 *'
900 --
901 -- At line 1:
902 SELECT states.state_name, people.quiz_points
903 FROM people
904 JOIN states
905 on people.state = states.state_abbrev
906 WHERE quiz_points = (SELECT min(quiz_points) FROM people);
907 -- Result: 60 rows returned in 12ms
908 -- EXECUTING ALL IN 'SQL 1 *'
909 --
910 -- At line 1:
911 SELECT states.state_name, people.quiz_points
912 FROM people
913 JOIN states
914 on people.state = states.state_abbrev
915 WHERE quiz_points = (SELECT min(quiz_points) FROM people)
916 ORDER by state_name DESC;
917 -- Result: 60 rows returned in 11ms
918 -- EXECUTING ALL IN 'SQL 1 *'
```

```

919 --
920 -- At line 1:
921 SELECT states.region, people.quiz_points
922 FROM people
923 JOIN states
924 on people.state = states.state_abbrev
925 WHERE quiz_points = (SELECT min(quiz_points) FROM people)
926 ORDER by state_name DESC;
927 -- Result: 60 rows returned in 11ms
928 -- EXECUTING ALL IN 'SQL 1 *'
929 --
930 -- At line 1:
931 SELECT states.region, count(states.region), people.quiz_points
932 FROM people
933 JOIN states
934 on people.state = states.state_abbrev
935 WHERE quiz_points = (SELECT min(quiz_points) FROM people)
936 GROUP by states.region
937 ORDER by states.region DESC;
938 -- Result: 4 rows returned in 10ms
939 -- EXECUTING ALL IN 'SQL 1 *'
940 --
941 -- At line 1:
942 SELECT sum(quiz_points)
943 FROM people;
944 -- Result: 1 rows returned in 12ms
945 -- EXECUTING ALL IN 'SQL 1 *'
946 --
947 -- At line 1:
948 SELECT team, count(*)
949 FROM people
950 GROUP by team;
951 -- Result: no such column: team
952 -- EXECUTING ALL IN 'SQL 1 *'
953 --
954 -- At line 1:
955 SELECT team, count(*)
956 FROM people
957 GROUP by team;
958 -- Result: 3 rows returned in 10ms
959 -- EXECUTING ALL IN 'SQL 1 *'
960 --
961 -- At line 1:
962 SELECT team, count(team)
963 FROM people
964 GROUP by team;
965 -- Result: 3 rows returned in 11ms
966 -- EXECUTING ALL IN 'SQL 1 *'
967 --
968 -- At line 1:
969 SELECT team, count(team), sum(quiz_points),

```

```

970 (sum(quiz_points) / count(team)) as average
971 FROM people
972 GROUP by team;
973 -- Result: 3 rows returned in 11ms
974 -- EXECUTING ALL IN 'SQL 1 *'
975 --
976 -- At line 1:
977 SELECT lower(first_name), upper(last_name)
978 FROM people;
979 -- Result: 1000 rows returned in 13ms
980 -- EXECUTING ALL IN 'SQL 1 *'
981 --
982 -- At line 1:
983 SELECT lower(first_name), upper(last_name), substr(last_name, 2,5)
984 FROM people;
985 -- Result: 1000 rows returned in 9ms
986 -- EXECUTING ALL IN 'SQL 1 *'
987 --
988 -- At line 1:
989 SELECT lower(first_name), upper(last_name), substr(last_name, -6)
990 FROM people;
991 -- Result: 1000 rows returned in 13ms
992 -- EXECUTING ALL IN 'SQL 1 *'
993 --
994 -- At line 1:
995 SELECT lower(first_name), upper(last_name), substr(last_name, -6),
    replace(last_name, substr(last_name, -4) , '_')
996 FROM people;
997 -- Result: 1000 rows returned in 13ms
998 -- EXECUTING ALL IN 'SQL 1 *'
999 --
1000 -- At line 1:
1001 SELECT lower(first_name), upper(last_name), substr(last_name, -6),
    replace(last_name, substr(last_name, 2) , '_')
1002 FROM people;
1003 -- Result: 1000 rows returned in 12ms
1004 -- EXECUTING ALL IN 'SQL 1 *'
1005 --
1006 -- At line 1:
1007 SELECT CAST(quiz_points as char)
1008 FROM people;
1009 -- Result: 1000 rows returned in 11ms
1010 -- EXECUTING SELECTION IN 'SQL 1 *'
1011 --
1012 -- At line 6:
1013 SELECT quiz_points FROM people ORDER by quiz_points DESC;
1014 -- Result: 1000 rows returned in 13ms
1015 -- EXECUTING SELECTION IN 'SQL 1 *'
1016 --
1017 -- At line 1:
1018 SELECT CAST(quiz_points as char)

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1019 FROM people ;
1020 -- Result: 1000 rows returned in 12ms
1021 -- EXECUTING SELECTION IN 'SQL 1 *'
1022 --
1023 -- At line 1:
1024 SELECT CAST(quiz_points as char) as funny
1025 FROM people
1026 ORDER by funny;
1027 -- Result: 1000 rows returned in 12ms
1028 -- EXECUTING SELECTION IN 'SQL 1 *'
1029 --
1030 -- At line 1:
1031 SELECT CAST(quiz_points as char) as funny
1032 FROM people
1033 ORDER by funny DESC;
1034 -- Result: 1000 rows returned in 12ms
1035 -- EXECUTING ALL IN 'SQL 1 *'
1036 --
1037 -- At line 1:
1038 SELECT max(cast(quiz_points as char)) from people;
1039 -- Result: 1 rows returned in 13ms
1040 -- EXECUTING SELECTION IN 'SQL 1 *'
1041 --
1042 -- At line 3:
1043 SELECT max(quiz_points) from people;
1044 -- Result: 1 rows returned in 12ms
1045 -- EXECUTING SELECTION IN 'SQL 1 *'
1046 --
1047 -- At line 5:
1048 SELECT max(cast(quiz_points as INTEGER)) from people;
1049 -- Result: 1 rows returned in 12ms
1050 -- EXECUTING ALL IN 'SQL 1 *'
1051 --
1052 -- At line 1:
1053 SELECT first_name, last_name
1054 FROM people
1055 -- Result: 1000 rows returned in 11ms
1056 -- EXECUTING ALL IN 'SQL 1 *'
1057 --
1058 -- At line 1:
1059 SELECT first_name as "First name", last_name
1060 FROM people
1061 -- Result: 1000 rows returned in 12ms
1062 -- EXECUTING ALL IN 'SQL 1 *'
1063 --
1064 -- At line 1:
1065 SELECT first_name as "First name", upper(last_name)
1066 FROM people
1067 -- Result: 1000 rows returned in 12ms
1068 -- EXECUTING ALL IN 'SQL 1 *'
1069 --
```



```

1070 -- At line 1:
1071 SELECT first_name as "First name", upper(last_name) as surname
1072 FROM people
1073 -- Result: 1000 rows returned in 10ms
1074 -- EXECUTING ALL IN 'SQL 1 *'
1075 --
1076 -- At line 1:
1077 SELECT first_name as "First name", upper(last_name) as Surname
1078 FROM people
1079 -- Result: 1000 rows returned in 16ms
1080 -- EXECUTING ALL IN 'SQL 1 *'
1081 --
1082 -- At line 1:
1083 SELECT first_name as "First_name", upper(last_name) as Surname
1084 FROM people
1085 -- Result: 1000 rows returned in 12ms
1086 -- EXECUTING ALL IN 'SQL 1 *'
1087 --
1088 -- At line 1:
1089 INSERT INTO people (first_name) VALUES ('Bob');
1090 -- Result: query executed successfully. Took 0ms, 1 rows affected
1091 -- EXECUTING ALL IN 'SQL 1 *'
1092 --
1093 -- At line 1:
1094 SELECT *
1095 from people
1096 WHERE first_name is
1097 -- Result: unrecognized token: "'Bob'
1098 "
1099 -- EXECUTING ALL IN 'SQL 1 *'
1100 --
1101 -- At line 1:
1102 SELECT *
1103 from people
1104 WHERE first_name is "Bob";
1105 -- Result: 1 rows returned in 12ms
1106 -- EXECUTING ALL IN 'SQL 1 *'
1107 --
1108 -- At line 1:
1109 INSERT INTO people( first_name, last_name, state, city, shirt_or_hat)
1110 VALUES ("Mary", "Hamilton", "OR", "Portland", "hat");
1111 -- Result: query executed successfully. Took 0ms, 1 rows affected
1112 -- EXECUTING SELECTION IN 'SQL 1 *'
1113 --
1114 -- At line 4:
1115 SELECT *
1116 FROM people
1117 WHERE first_name = "Mary";
1118 -- Result: 6 rows returned in 16ms
1119 -- EXECUTING ALL IN 'SQL 1 *'
1120 --

```



```

1121 -- At line 1:
1122 INSERT INTO people( first_name, last_name, state, city, shirt_or_hat)
1123 VALUES ("Mary", "Hamilton", OR, "Portland", "hat");
1124 -- Result: query executed successfully. Took 0ms, 1 rows affected
1125 -- At line 4:
1126 SELECT *
1127 FROM people
1128 WHERE first_name = "Mary" and quiz_points = NULL;
1129 -- Result: 0 rows returned in 2ms
1130 -- EXECUTING SELECTION IN 'SQL 1 *'
1131 --
1132 -- At line 4:
1133 SELECT *
1134 FROM people
1135 WHERE first_name = "Mary";
1136 -- Result: 7 rows returned in 12ms
1137 -- EXECUTING SELECTION IN 'SQL 1 *'
1138 --
1139 -- At line 4:
1140 SELECT *
1141 FROM people
1142 WHERE first_name = "Mary" and quiz_points = NULL;
1143 -- Result: 0 rows returned in 13ms
1144 -- EXECUTING ALL IN 'SQL 1 *'
1145 --
1146 -- At line 1:
1147 INSERT INTO people( first_name, last_name, state, city, shirt_or_hat)
1148 VALUES ("Mary", "Hamilton", OR, "Portland", "hat");
1149 -- Result: query executed successfully. Took 0ms, 1 rows affected
1150 -- At line 4:
1151 SELECT *
1152 FROM people
1153 WHERE first_name = "Mary" and quiz_points = "";
1154 -- Result: 0 rows returned in 16ms
1155 -- EXECUTING SELECTION IN 'SQL 1 *'
1156 --
1157 -- At line 4:
1158 SELECT *
1159 FROM people
1160 WHERE first_name = "Mary" and quiz_points = "";
1161 -- Result: 0 rows returned in 29ms
1162 -- EXECUTING SELECTION IN 'SQL 1 *'
1163 --
1164 -- At line 4:
1165 SELECT *
1166 FROM people
1167 WHERE first_name = "Mary" and quiz_points = NULL;
1168 -- Result: 0 rows returned in 13ms
1169 -- EXECUTING SELECTION IN 'SQL 1 *'
1170 --
1171 -- At line 4:

```

```
1172 SELECT *
1173 FROM people
1174 WHERE first_name = "Mary"
1175 -- Result: 8 rows returned in 15ms
1176 -- EXECUTING SELECTION IN 'SQL 1 *'
1177 --
1178 -- At line 8:
1179 SELECT quiz_points
1180 FROM people
1181 WHERE last_name = "Hamilton"
1182 -- Result: 5 rows returned in 10ms
1183 -- EXECUTING SELECTION IN 'SQL 1 *'
1184 --
1185 -- At line 4:
1186 SELECT *
1187 FROM people
1188 WHERE first_name = "Mary"
1189 -- Result: 8 rows returned in 15ms
1190 -- EXECUTING SELECTION IN 'SQL 1 *'
1191 --
1192 -- At line 8:
1193 SELECT quiz_points
1194 FROM people
1195 WHERE last_name = "Hamilton" and first_name = "Mary"
1196 -- Result: 3 rows returned in 10ms
1197 -- EXECUTING ALL IN 'SQL 1 *'
1198 --
1199 -- At line 1:
1200 INSERT INTO people( first_name, last_name, state, city, shirt_or_hat)
1201 VALUES ("Mary", "Hamilton", OR, "Portland", "hat");
1202 -- Result: query executed successfully. Took 0ms, 1 rows affected
1203 -- At line 4:
1204 SELECT *
1205 FROM people
1206 WHERE first_name = "Mary" and quiz_points = NULL;
1207 -- Result: 0 rows returned in 15ms
1208 -- At line 8:
1209 SELECT DISTINCT(quiz_points)
1210 FROM people
1211 WHERE last_name = "Hamilton" and first_name = "Mary"
1212 -- Result: 1 rows returned in 1ms
1213 -- EXECUTING SELECTION IN 'SQL 1 *'
1214 --
1215 -- At line 4:
1216 SELECT *
1217 FROM people
1218 WHERE first_name = "Mary" and quiz_points = (SELECT DISTINCT(quiz_points)
1219 FROM people
1220 WHERE last_name = "Hamilton" and first_name = "Mary");
1221 -- Result: 0 rows returned in 13ms
1222 -- EXECUTING SELECTION IN 'SQL 1 *'
```

```
1223 --
1224 -- At line 10:
1225 SELECT DISTINCT(quiz_points)
1226 FROM people
1227 WHERE last_name = "Hamilton" and first_name = "Mary"
1228 -- Result: 1 rows returned in 12ms
1229 -- EXECUTING SELECTION IN 'SQL 1 *'
1230 --
1231 -- At line 4:
1232 SELECT *
1233 FROM people
1234 WHERE first_name = "Mary" and quiz_points = NULL;
1235 -- Result: 0 rows returned in 14ms
1236 -- EXECUTING SELECTION IN 'SQL 1 *'
1237 --
1238 -- At line 4:
1239 SELECT *
1240 FROM people
1241 WHERE first_name = "Mary"
1242 -- Result: 9 rows returned in 16ms
1243 -- EXECUTING SELECTION IN 'SQL 1 *'
1244 --
1245 -- At line 4:
1246 SELECT *
1247 FROM people
1248 WHERE first_name = "Mary" and team = NULL;
1249 -- Result: 0 rows returned in 11ms
1250 -- EXECUTING SELECTION IN 'SQL 1 *'
1251 --
1252 -- At line 4:
1253 SELECT *
1254 FROM people
1255 WHERE team = NULL;
1256 -- Result: 0 rows returned in 15ms
1257 -- EXECUTING SELECTION IN 'SQL 1 *'
1258 --
1259 -- At line 4:
1260 SELECT *
1261 FROM people
1262 WHERE team is NULL;
1263 -- Result: 5 rows returned in 14ms
1264 -- EXECUTING SELECTION IN 'SQL 1 *'
1265 --
1266 -- At line 4:
1267 SELECT *
1268 FROM people
1269 WHERE team is NULL and first_name is "Mary";
1270 -- Result: 4 rows returned in 14ms
1271 -- EXECUTING SELECTION IN 'SQL 1 *'
1272 --
1273 -- At line 4:
```

```
1274 INSERT INTO people( first_name, last_name)
1275 VALUES ("George", "White") (
1276 -- Result: near "(": syntax error
1277 -- EXECUTING SELECTION IN 'SQL 1 *'
1278 --
1279 -- At line 4:
1280 INSERT INTO people( first_name, last_name)
1281 VALUES ("George", "White") ,("Jenn", "Smith") ,("Carol","Anderson");
1282 -- Result: query executed successfully. Took 0ms, 3 rows affected
1283 -- EXECUTING ALL IN 'SQL 1 *'
1284 --
1285 -- At line 1:
1286 INSERT INTO people( first_name, last_name, state, city, shirt_or_hat)
1287 VALUES ("Mary", "Hamilton", "OR", "Portland", "hat");
1288 -- Result: query executed successfully. Took 0ms, 1 rows affected
1289 -- At line 4:
1290 INSERT INTO people( first_name, last_name)
1291 VALUES ("George", "White") ,("Jenn", "Smith") ,("Carol","Anderson");
1292 -- Result: query executed successfully. Took 0ms, 3 rows affected
1293 -- At line 7:
1294 SELECT *
1295 FROM people
1296 WHERE team is NULL and first_name is "Mary";
1297 -- Result: 5 rows returned in 17ms
1298 -- At line 11:
1299 SELECT DISTINCT(quiz_points)
1300 FROM people
1301 WHERE last_name = "Hamilton" and first_name = "Mary"
1302
1303 SELECT
1304 -- Result: near "SELECT": syntax error
1305 -- EXECUTING SELECTION IN 'SQL 1 *'
1306 --
1307 -- At line 15:
1308 SELECT *
1309 FROM people
1310 WHERE state is NULL
1311 -- Result: 7 rows returned in 16ms
1312 -- EXECUTING SELECTION IN 'SQL 1 *'
1313 --
1314 -- At line 15:
1315 SELECT *
1316 FROM people
1317 WHERE state is NULL;
1318 -- Result: 7 rows returned in 13ms
1319 -- EXECUTING SELECTION IN 'SQL 1 *'
1320 --
1321 -- At line 15:
1322 SELECT *
1323 FROM people
1324 WHERE state is NULL;
```

```
1325 -- Result: 7 rows returned in 14ms
1326 -- EXECUTING SELECTION IN 'SQL 1 *'
1327 --
1328 -- At line 15:
1329 SELECT *
1330 FROM people
1331 WHERE state is NULL;
1332 -- Result: 7 rows returned in 11ms
1333 -- EXECUTING SELECTION IN 'SQL 1 *'
1334 --
1335 -- At line 15:
1336 SELECT *
1337 FROM people
1338 WHERE state is NULL;
1339 -- Result: 7 rows returned in 13ms
1340 -- EXECUTING SELECTION IN 'SQL 1 *'
1341 --
1342 -- At line 15:
1343 SELECT *
1344 FROM people
1345 WHERE state is NULL;
1346 -- Result: 7 rows returned in 10ms
1347 -- EXECUTING SELECTION IN 'SQL 1 *'
1348 --
1349 -- At line 15:
1350 SELECT *
1351 FROM people
1352 WHERE state is NULL;
1353 -- Result: 7 rows returned in 16ms
1354 -- EXECUTING SELECTION IN 'SQL 1 *'
1355 --
1356 -- At line 15:
1357 SELECT *
1358 FROM people
1359 WHERE state is NULL;
1360 -- Result: 7 rows returned in 10ms
1361 -- EXECUTING SELECTION IN 'SQL 1 *'
1362 --
1363 -- At line 15:
1364 SELECT *
1365 FROM people
1366 WHERE state is NULL;
1367 -- Result: 7 rows returned in 14ms
1368 -- EXECUTING SELECTION IN 'SQL 1 *'
1369 --
1370 -- At line 15:
1371 SELECT *
1372 FROM people
1373 WHERE state is NULL;
1374 -- Result: 7 rows returned in 17ms
1375 -- EXECUTING SELECTION IN 'SQL 1 *'
```

```
1376 --
1377 -- At line 15:
1378 SELECT *
1379 FROM people
1380 WHERE state is NULL;
1381 -- Result: 7 rows returned in 16ms
1382 -- EXECUTING SELECTION IN 'SQL 1 *'
1383 --
1384 -- At line 15:
1385 SELECT *
1386 FROM people
1387 WHERE state is NULL;
1388 -- Result: 7 rows returned in 9ms
1389 -- EXECUTING ALL IN 'SQL 1 *'
1390 --
1391 -- At line 1:
1392 SELECT * from people
1393 where first_name = "George" and last_name = "White";
1394 -- Result: 3 rows returned in 10ms
1395 -- EXECUTING SELECTION IN 'SQL 1 *'
1396 --
1397 -- At line 4:
1398 UPDATE people
1399 SET first_name="Martha"
1400 WHERE first_name="George" and last_name="white";
1401 -- Result: query executed successfully. Took 0ms, 0 rows affected
1402 -- EXECUTING SELECTION IN 'SQL 1 *'
1403 --
1404 -- At line 8:
1405 SELECT * from people
1406 where first_name = "Martha" and last_name ="White"
1407 -- Result: 0 rows returned in 15ms
1408 -- EXECUTING SELECTION IN 'SQL 1 *'
1409 --
1410 -- At line 8:
1411 SELECT * from people
1412 where first_name = "Martha" and last_name ="white"
1413 -- Result: 0 rows returned in 12ms
1414 -- EXECUTING SELECTION IN 'SQL 1 *'
1415 --
1416 -- At line 4:
1417 UPDATE people
1418 SET first_name="Martha"
1419 WHERE first_name="George" and last_name="white";
1420 -- Result: query executed successfully. Took 0ms, 0 rows affected
1421 -- EXECUTING SELECTION IN 'SQL 1 *'
1422 --
1423 -- At line 4:
1424 UPDATE people
1425 SET first_name="Martha"
1426 WHERE first_name="George" and last_name="White";
```

```
1427 -- Result: query executed successfully. Took 1ms, 3 rows affected
1428 -- EXECUTING SELECTION IN 'SQL 1 *'
1429 --
1430 -- At line 8:
1431 SELECT * from people
1432 where first_name = "Martha" and last_name ="white"
1433 -- Result: 0 rows returned in 15ms
1434 -- EXECUTING SELECTION IN 'SQL 1 *'
1435 --
1436 -- At line 8:
1437 SELECT * from people
1438 where first_name = "Martha" and last_name ="White"
1439 -- Result: 3 rows returned in 15ms
1440 -- EXECUTING SELECTION IN 'SQL 1 *'
1441 --
1442 -- At line 1:
1443 SELECT * from people
1444 WHERE company="Fisher LLC"
1445 -- Result: 2 rows returned in 13ms
1446 -- EXECUTING SELECTION IN 'SQL 1 *'
1447 --
1448 -- At line 3:
1449 update people
1450 set company="Megacorp INC" where company="Fisher LLC"
1451 -- Result: query executed successfully. Took 0ms, 2 rows affected
1452 -- EXECUTING SELECTION IN 'SQL 1 *'
1453 --
1454 -- At line 8:
1455 SELECT * from people
1456 WHERE company="Megacorp INC"
1457 -- Result: 2 rows returned in 14ms
1458 -- EXECUTING ALL IN 'SQL 1 *'
1459 --
1460 -- At line 1:
1461 SELECT *
1462 FROM people;
1463 -- Result: 1012 rows returned in 11ms
1464 -- EXECUTING SELECTION IN 'SQL 1 *'
1465 --
1466 -- At line 4:
1467 DELETE from people
1468 WHERE first_name = "Martha" and last_name = "White";
1469 -- Result: query executed successfully. Took 0ms, 3 rows affected
1470 -- EXECUTING SELECTION IN 'SQL 1 *'
1471 --
1472 -- At line 7:
1473 SELECT *
1474 FROM people
1475 FROM
1476 -- Result: near "FROM": syntax error
1477 -- EXECUTING SELECTION IN 'SQL 1 *'
```



```
1478 --
1479 -- At line 7:
1480 SELECT *
1481 FROM people
1482 WHERE id_number is NULL
1483 -- Result: 10 rows returned in 16ms
1484 -- EXECUTING SELECTION IN 'SQL 1 *'
1485 --
1486 -- At line 11:
1487 DELETE
1488 FROM people
1489 WHERE id_number is NULL
1490 -- Result: query executed successfully. Took 1ms, 10 rows affected
1491 -- EXECUTING SELECTION IN 'SQL 1 *'
1492 --
1493 -- At line 7:
1494 SELECT *
1495 FROM people
1496 WHERE id_number is NULL
1497 -- Result: 0 rows returned in 15ms
1498 -- EXECUTING SELECTION IN 'SQL 1 *'
1499 --
1500 -- At line 1:
1501 SELECT *
1502 FROM people;
1503 -- Result: 999 rows returned in 12ms
1504
```