

# SQL — Practice

CSCI 40

Fall 2026

LLM evaluation

2026-08-26

Re-evaluation pending after quiz-bank corrections.

Total Score: \_\_\_\_\_/4 Quiz rules:

1. You MAY use any printed or handwritten notes.
2. You MAY NOT use a computer or any other electronic device.

For each SQL SELECT statement below, write the output. If there is no output, write No Output.  
**quiz\_practice\_schema.sql**

```
1  -----
2  -- users
3  -----
4
5  CREATE TABLE users (
6      id INTEGER PRIMARY KEY,
7      username TEXT NOT NULL UNIQUE,
8      password TEXT NOT NULL,
9      age INTEGER
10 );
11
12 INSERT INTO users (username, password, age) VALUES ('Trump', 'TRUMP', 76);
13 INSERT INTO users (username, password, age) VALUES ('Biden', '12345', 79);
14 INSERT INTO users (username, password, age) VALUES ('Evan', 'correct horse battery staple', 7);
15 INSERT INTO users (username, password, age) VALUES ('Isaac', 'soccer', 4);
16 INSERT INTO users (username, password, age) VALUES ('Aaron', 'guaguagua', 3);
17 INSERT INTO users (username, password, age) VALUES ('Aurelia', '', 2);
18 INSERT INTO users (username, password, age) VALUES ('Teal', '524euTjrWm6uK2C5iw8mC6aNgX1JI78o',
19      38);
20 INSERT INTO users (username, password) VALUES ('Kristen', 'Possible-Rich-Absolute-Battle');
21
22 -----
23 -- messages
24 -----
25
26 create table messages (
27     id integer primary key,
28     sender_id integer not null references users(id),
29     message text not null,
30     created_at timestamp not null default current_timestamp
31 );
32
33 insert into messages (sender_id,message,created_at) values
34     (1, 'I''m a baby', '2022-11-14 14:30:00'),
35     (2, 'I''m a baby', '2022-11-14 14:30:00'),
36     (3, 'I''m a baby', '2022-11-14 14:33:01'),
37     (4, 'I''m a baby', '2022-11-15 14:35:45');
38
39 insert into messages (sender_id,message,created_at) values
40     (3, 'I''m actually a toddler', '2022-11-16 14:35:45');
41 insert into messages (sender_id,message,created_at) values
42     (6, 'Today in 1918, the Armistice that effectively ended WWI came into effect.', '2022-11-11
43     11:00:00');
44 insert into messages (sender_id,message,created_at) values
45     (6, 'I''m an adult', '2022-11-17 14:35:25'),
46     (6, 'SQL is the best!!', '2022-11-17 15:52:45'),
```

```

45      (7, 'I''m an adult', '2022-11-17 16:12:21'),
46      (7, 'WTF is SQL?! I thought you liked the snake thing.', '2022-11-17 15:53:47');

```

### quiz\_practice\_problems.sql

```

1  /*
2   * For each problem below, write the output of the SQL SELECT statement.
3   * If there is no output, write "No Output".
4   * There should be no errors given by any of these problems.
5   * Your quiz will have 4 problems, each worth 1 point.
6   * Problems 15-20 change the data. Reload quiz_practice_schema.sql before
7   * each one so that an earlier DELETE or UPDATE does not affect the answers.
8   */
9
10 -----
11 -- Problem 1
12 -----
13
14 SELECT id FROM users WHERE username = 'Trump';
15
16
17
18
19 -----
20 -- Problem 2
21 -----
22
23 SELECT id FROM users WHERE username = 'trump';
24
25
26
27
28 -----
29 -- Problem 3
30 -----
31
32 SELECT id FROM users WHERE username LIKE 'trump';
33
34
35
36
37 -----
38 -- Problem 4
39 -----
40
41 SELECT id FROM users WHERE username LIKE 'TRUMP';
42
43
44
45
46 -----
47 -- Problem 5
48 -----
49
50 SELECT id FROM users WHERE username LIKE 'a%' ORDER BY id;
51
52
53
54
55 -----
56 -- Problem 6
57 -----
58
59 SELECT id FROM users WHERE username LIKE '%a';
60
61
62

```

```

63 -----
64 -- Problem 7
65 -----
66
67 SELECT id FROM users WHERE username LIKE '%a%' ORDER BY username;
68
69
70
71
72 -----
73 -- Problem 8
74 -----
75
76 SELECT id FROM users WHERE age IS NULL;
77
78
79
80
81
82 -----
83 -- Problem 9
84 -----
85
86 SELECT id FROM users ORDER BY username DESC;
87
88
89
90
91 -----
92 -- Problem 10
93 -----
94
95 SELECT id FROM users ORDER BY age ASC;
96
97
98
99
100 -----
101 -- Problem 11
102 -----
103
104 SELECT id FROM users ORDER BY username ASC;
105
106
107
108
109 -----
110 -- Problem 12
111 -----
112
113 SELECT count(*) FROM messages;
114
115
116
117
118 -----
119 -- Problem 13
120 -----
121
122 SELECT count(*) FROM messages WHERE sender_id=4;
123
124
125
126
127
128 -----
129 -- Problem 14
130 -----

```

```

131
132 SELECT count(*) FROM messages WHERE sender_id < 4;
133
134
135 -----
136 -- Problem 15
137 -----
138
139 DELETE FROM messages;
140 SELECT count(*) FROM messages;
141
142
143
144
145 -----
146 -- Problem 16
147 -----
148
149 DELETE FROM messages WHERE sender_id=1;
150 SELECT count(*) FROM messages;
151
152
153
154
155
156 -----
157 -- Problem 17
158 -----
159
160 DELETE FROM messages WHERE message LIKE '%a%';
161 SELECT count(*) FROM messages;
162
163
164
165
166
167 -----
168 -- Problem 18
169 -----
170
171 DELETE FROM messages WHERE sender_id=3 OR sender_id=0;
172 SELECT count(*) FROM messages;
173
174
175
176
177 -----
178 -- Problem 19
179 -----
180
181 UPDATE users SET password='@realdonaldtrump';
182 SELECT count(*) FROM users WHERE password LIKE '@%';
183
184
185
186
187
188
189 -----
190 -- Problem 20
191 -----
192
193 UPDATE users SET username='@realdonaldtrump' WHERE id=1;
194 SELECT count(*) FROM users WHERE username LIKE '@%';

```