

# SQL — Practice

CSCI 40: Computing for the Web

Fall 2026

## 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\_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 2 points.
6   */
7
8  -----
9  -- Problem 1
10 -----
11
12 SELECT id FROM users WHERE username = 'Trump';
13
14
15
16
17 -----
18 -- Problem 2
19 -----
20
21 SELECT id FROM users WHERE username = 'trump';
22
23
24
25
26 -----
27 -- Problem 3
28 -----
29
30 SELECT id FROM users WHERE username LIKE 'trump';
31
32
33
34
35 -----
36 -- Problem 4
37 -----
38
39 SELECT id FROM users WHERE username LIKE 'TRUMP';
40
41
42
43
44 -----
45 -- Problem 5
46 -----
47
48 SELECT id FROM users WHERE username LIKE 'a%';
49
50
51
```

```

52 |
53 | -----
54 | -- Problem 6
55 | -----
56 |
57 | SELECT id FROM users WHERE username LIKE '%a';
58 |
59 |
60 |
61 |
62 | -----
63 | -- Problem 7
64 | -----
65 |
66 | SELECT id FROM users WHERE username LIKE '%a%';
67 |
68 |
69 |
70 |
71 | -----
72 | -- Problem 8
73 | -----
74 |
75 | SELECT id FROM users WHERE age IS NULL;
76 |
77 |
78 |
79 |
80 | -----
81 | -- Problem 9
82 | -----
83 |
84 | SELECT id FROM users ORDER BY username DESC;
85 |
86 |
87 |
88 |
89 | -----
90 | -- Problem 10
91 | -----
92 |
93 | SELECT id FROM users ORDER BY age ASC;
94 |
95 |
96 |
97 |
98 | -----
99 | -- Problem 11
100 | -----
101 |
102 | SELECT id FROM users ORDER BY username ASC;
103 |
104 |
105 |
106 |
107 | -----
108 | -- Problem 12
109 | -----
110 |
111 | SELECT count(*) FROM messages;
112 |
113 |
114 |
115 |
116 | -----
117 | -- Problem 13
118 | -----
119 |

```

```

120 SELECT count(*) FROM messages WHERE sender_id=4;
121
122
123
124
125
126 -----
127 -- Problem 14
128 -----
129
130 SELECT count(*) FROM messages WHERE sender_id < 4;
131
132
133
134
135
136 /*
137  * Problems 15-20 CHANGE the data. Reload quiz_practice_schema.sql before
138  * each one, so that an earlier DELETE or UPDATE does not affect the answers.
139  */
140
141 -----
142 -- Problem 15
143 -----
144
145 DELETE FROM messages;
146 SELECT count(*) FROM messages;
147
148
149
150
151 -----
152 -- Problem 16
153 -----
154
155 DELETE FROM messages WHERE sender_id=1;
156 SELECT count(*) FROM messages;
157
158
159
160
161
162 -----
163 -- Problem 17
164 -----
165
166 DELETE FROM messages WHERE message LIKE '%a%';
167 SELECT count(*) FROM messages;
168
169
170
171
172
173 -----
174 -- Problem 18
175 -----
176
177 DELETE FROM messages WHERE sender_id=3 OR sender_id=0;
178 SELECT count(*) FROM messages;
179
180
181
182
183 -----
184 -- Problem 19
185 -----
186
187 UPDATE users SET password='@realdonaldtrump';

```

```
188 SELECT count(*) FROM users WHERE password LIKE '@%';
189
190
191
192
193
194
195 -----
196 ---- Problem 20
197 -----
198
199 UPDATE users SET username='@realdonaldtrump' WHERE id=1;
200 SELECT count(*) FROM users WHERE username LIKE '@%';
```