

SQL — Answer Key

CSCI 40: Computing for the Web
Fall 2026

Problem 1. Write the exact output of this SQL statement. If it returns no rows, write "No Output".

```
1 SELECT id FROM users WHERE username = 'Trump';
```

Answer:

```
1
```

Problem 2. Write the exact output of this SQL statement. If it returns no rows, write "No Output".

```
1 SELECT id FROM users WHERE username = 'trump';
```

Answer:

```
No Output
```

Problem 3. Write the exact output of this SQL statement. If it returns no rows, write "No Output".

```
1 SELECT id FROM users WHERE username LIKE 'trump';
```

Answer:

```
1
```

Problem 4. Write the exact output of this SQL statement. If it returns no rows, write "No Output".

```
1 SELECT id FROM users WHERE username LIKE 'TRUMP';
```

Answer:

```
1
```

Problem 5. Write the exact output of this SQL statement. If it returns no rows, write "No Output".

```
1 SELECT id FROM users WHERE username LIKE 'a%';
```

Answer:

```
5
```

```
6
```

Problem 6. Write the exact output of this SQL statement. If it returns no rows, write "No Output".

```
1 SELECT id FROM users WHERE username LIKE '%a';
```

Answer:

```
6
```

Problem 7. Write the exact output of this SQL statement. If it returns no rows, write "No Output".

```
1 SELECT id FROM users WHERE username LIKE '%a%';
```

Answer:

```
5
6
3
4
```

Problem 8. Write the exact output of this SQL statement. If it returns no rows, write "No Output".

```
1 SELECT id FROM users WHERE age IS NULL;
```

Answer:

```
8
```

Problem 9. Write the exact output of this SQL statement. If it returns no rows, write "No Output".

```
1 SELECT id FROM users ORDER BY username DESC;
```

Answer:

```
1
7
8
4
3
2
6
5
```

Problem 10. Write the exact output of this SQL statement. If it returns no rows, write "No Output".

```
1 SELECT id FROM users ORDER BY age ASC;
```

Answer:

```
8
6
5
4
3
7
1
2
```

Problem 11. Write the exact output of this SQL statement. If it returns no rows, write "No Output".

```
1 SELECT id FROM users ORDER BY username ASC;
```

Answer:

```
5
6
2
3
4
8
7
1
```

Problem 12. Write the exact output of this SQL statement. If it returns no rows, write "No Output".

```
1 SELECT count(*) FROM messages;
```

Answer:

```
10
```

Problem 13. Write the exact output of this SQL statement. If it returns no rows, write "No Output".

```
1 SELECT count(*) FROM messages WHERE sender_id=4;
```

Answer:

```
1
```

Problem 14. Write the exact output of this SQL statement. If it returns no rows, write "No Output".

```
1 SELECT count(*) FROM messages WHERE sender_id < 4;
2 /*
3  * Problems 15-20 CHANGE the data. Reload quiz_practice_schema.sql before
4  * each one, so that an earlier DELETE or UPDATE does not affect the answers.
5  */
```

Answer:

```
No Output
```

Problem 15. Write the exact output of this SQL statement. If it returns no rows, write "No Output".

```
1 DELETE FROM messages;
2 SELECT count(*) FROM messages;
```

Answer:

```
0
```

Problem 16. Write the exact output of this SQL statement. If it returns no rows, write "No Output".

```
1 DELETE FROM messages WHERE sender_id=1;
2 SELECT count(*) FROM messages;
```

Answer:

9

Problem 17. Write the exact output of this SQL statement. If it returns no rows, write "No Output".

```
1 DELETE FROM messages WHERE message LIKE '%a%';
2 SELECT count(*) FROM messages;
```

Answer:

1

Problem 18. Write the exact output of this SQL statement. If it returns no rows, write "No Output".

```
1 DELETE FROM messages WHERE sender_id=3 OR sender_id=0;
2 SELECT count(*) FROM messages;
```

Answer:

8

Problem 19. Write the exact output of this SQL statement. If it returns no rows, write "No Output".

```
1 UPDATE users SET password='@realdonaldtrump';
2 SELECT count(*) FROM users WHERE password LIKE '@%';
3 UPDATE users SET username='@realdonaldtrump' WHERE id=1;
4 SELECT count(*) FROM users WHERE username LIKE '@%';
```

Answer:

1