```
# Problem 1
import sqlite3

con = sqlite3.connect('twitter_clone.db')
cur = con.cursor()
sql = """
SELECT count(*) FROM users WHERE password LIKE '%a%';
"""
cur.execute(sql)
for row in cur.fetchall():
    print('row[0]=', row[0])
```

```
# Problem 2
import sqlite3
con = sqlite3.connect('twitter_clone.db')
cur = con.cursor()
sql = """
INSERT INTO users (password, username) VALUES ('example', 'password');
"""
cur.execute(sql)
con.commit()
sql = """
SELECT password, username FROM users WHERE username='password';
"""
cur.execute(sql)
for row in cur.fetchall():
    print('row[0]=', row[0])
    print('row[1]=', row[1])
```

```
# Problem 3
import sqlite3
con = sqlite3.connect('twitter_clone.db')
cur = con.cursor()
username = "example', 'password'), ('example2"
password = 'password'
sq1 = """
INSERT INTO users (username, password) VALUES ('"""+username+"""',
'"""+password+"""');
cur.execute(sql)
con.commit()
sql = """
SELECT id, password FROM users WHERE username LIKE 'example%';
cur.execute(sql)
for row in cur.fetchall():
   print('row[0]=', row[0])
print('row[1]=', row[1])
```

```
# Problem 4
import sqlite3
con = sqlite3.connect('twitter_clone.db')
cur = con.cursor()

username = "example', 'password'), ('example2"
password = 'password'
sql = """
INSERT INTO users (username, password) VALUES (?, ?);
"""
cur.execute(sql, [username, password])
con.commit()

sql = """
SELECT id,password FROM users WHERE username='example';
"""
cur.execute(sql)
for row in cur.fetchall():
    print('row[0]=', row[0])
    print('row[1]=', row[1])
```

```
# Problem 5
import sqlite3
con = sqlite3.connect('twitter_clone.db')
cur = con.cursor()
username = "Mike' OR username='TRUMP"
sql = """
SELECT id, password FROM users WHERE username='"""+ username +"""";
cur.execute(sql)
user_ids = []
for row in cur.fetchall():
    user_ids.append(row[0])
for user_id in user_ids:
    sq1 = """
    SELECT count(*) FROM messages WHERE sender_id=?;
    cur.execute(sql, [user_id])
    for row in cur.fetchall():
        print('row[0]=', row[0])
```