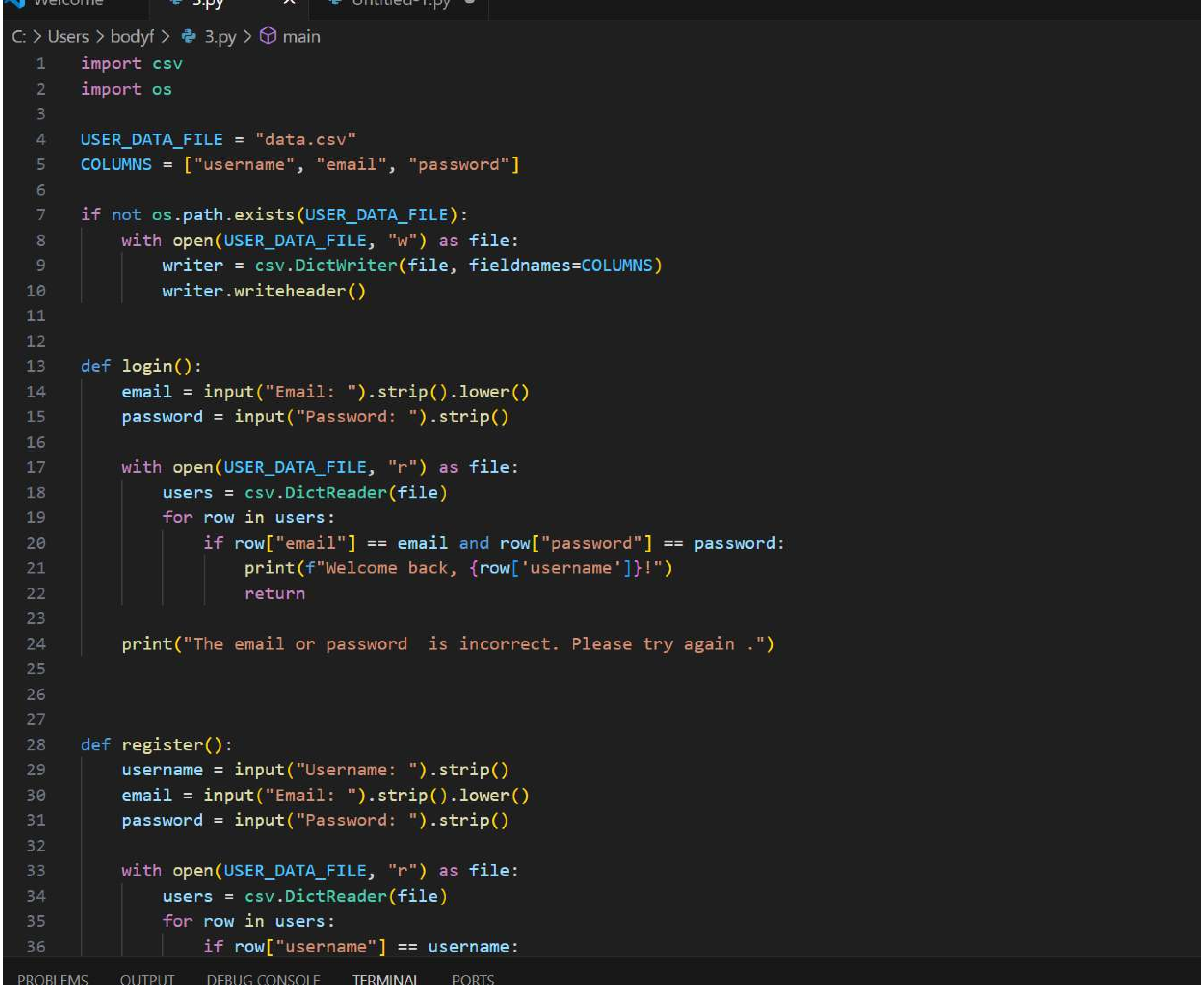
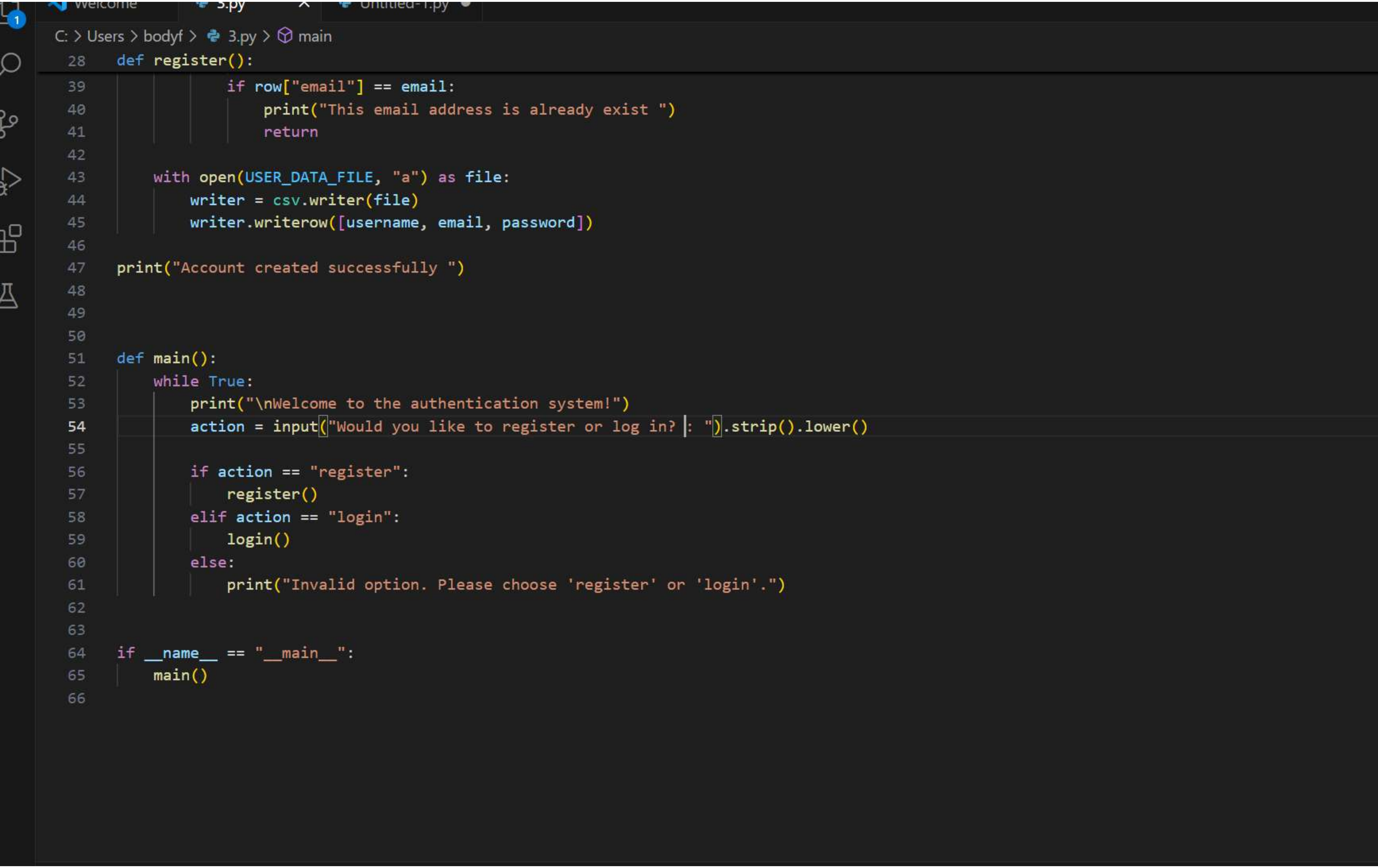
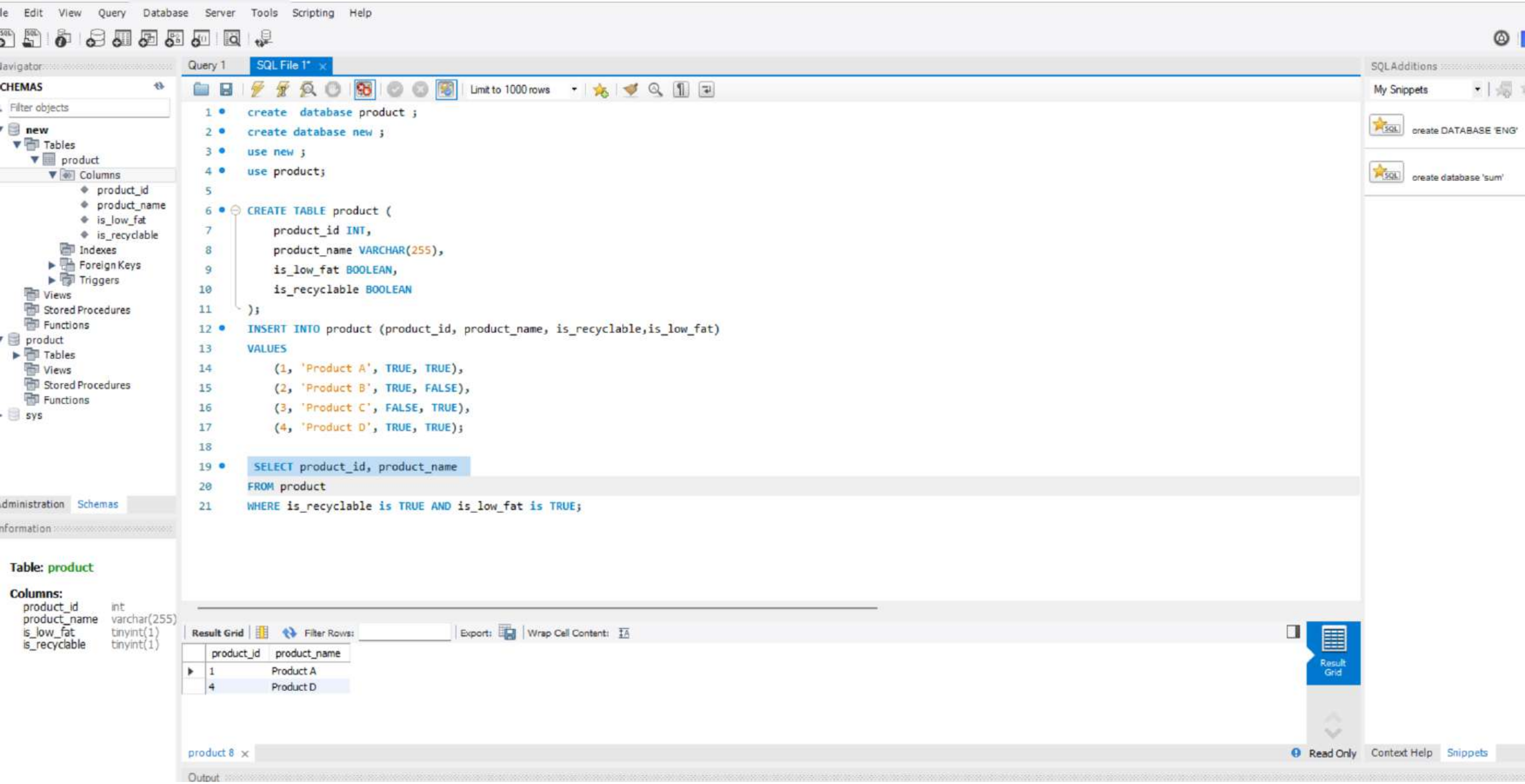


```python
import csv
import os

USER_DATA_FILE = "data.csv"
COLUMNS = ["username", "email", "password"]

if not os.path.exists(USER_DATA_FILE):
    with open(USER_DATA_FILE, "w") as file:
        writer = csv.DictWriter(file, fieldnames=COLUMNS)
        writer.writeheader()


def login():
    email = input("Email: ").strip().lower()
    password = input("Password: ").strip()

    with open(USER_DATA_FILE, "r") as file:
        users = csv.DictReader(file)
        for row in users:
            if row["email"] == email and row["password"] == password:
                print(f"Welcome back, {row['username']}!")
                return

    print("The email or password  is incorrect. Please try again .")



def register():
    username = input("Username: ").strip()
    email = input("Email: ").strip().lower()
    password = input("Password: ").strip()

    with open(USER_DATA_FILE, "r") as file:
        users = csv.DictReader(file)
        for row in users:
            if row["username"] == username:
```



```python
def register():
            if row["email"] == email:
                print("This email address is already exist ")
                return

    with open(USER_DATA_FILE, "a") as file:
        writer = csv.writer(file)
        writer.writerow([username, email, password])

print("Account created successfully ")



def main():
    while True:
        print("\nWelcome to the authentication system!")
        action = input("Would you like to register or log in? : ").strip().lower()

        if action == "register":
            register()
        elif action == "login":
            login()
        else:
            print("Invalid option. Please choose 'register' or 'login'.")


if __name__ == "__main__":
    main()
```



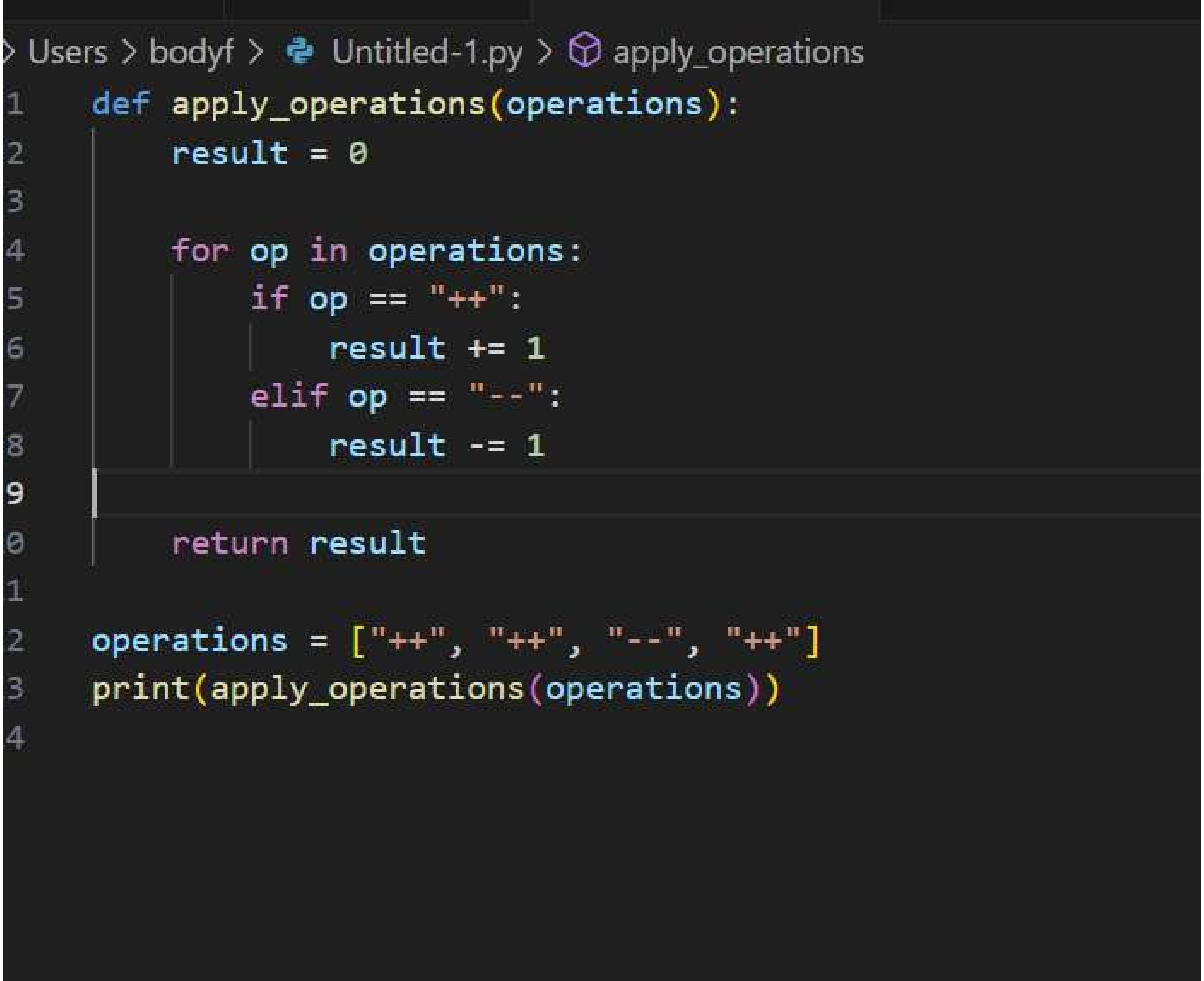
```
create  database product ;
create database new ;
use new ;
use product;

CREATE TABLE product (
    product_id INT,
    product_name VARCHAR(255),
    is_low_fat BOOLEAN,
    is_recyclable BOOLEAN
);
INSERT INTO product (product_id, product_name, is_recyclable,is_low_fat)
VALUES
    (1, 'Product A', TRUE, TRUE),
    (2, 'Product B', TRUE, FALSE),
    (3, 'Product C', FALSE, TRUE),
    (4, 'Product D', TRUE, TRUE);

SELECT product_id, product_name
FROM product
WHERE is_recyclable is TRUE AND is_low_fat is TRUE;
```

Table: product

Columns:

product_id	int
product_name	varchar(255)
is_low_fat	tinyint(1)
is_recyclable	tinyint(1)

product_id	product_name
1	Product A
4	Product D



```python
def apply_operations(operations):
    result = 0

    for op in operations:
        if op == "++":
            result += 1
        elif op == "--":
            result -= 1

    return result

operations = ["++", "++", "--", "++"]
print(apply_operations(operations))
```