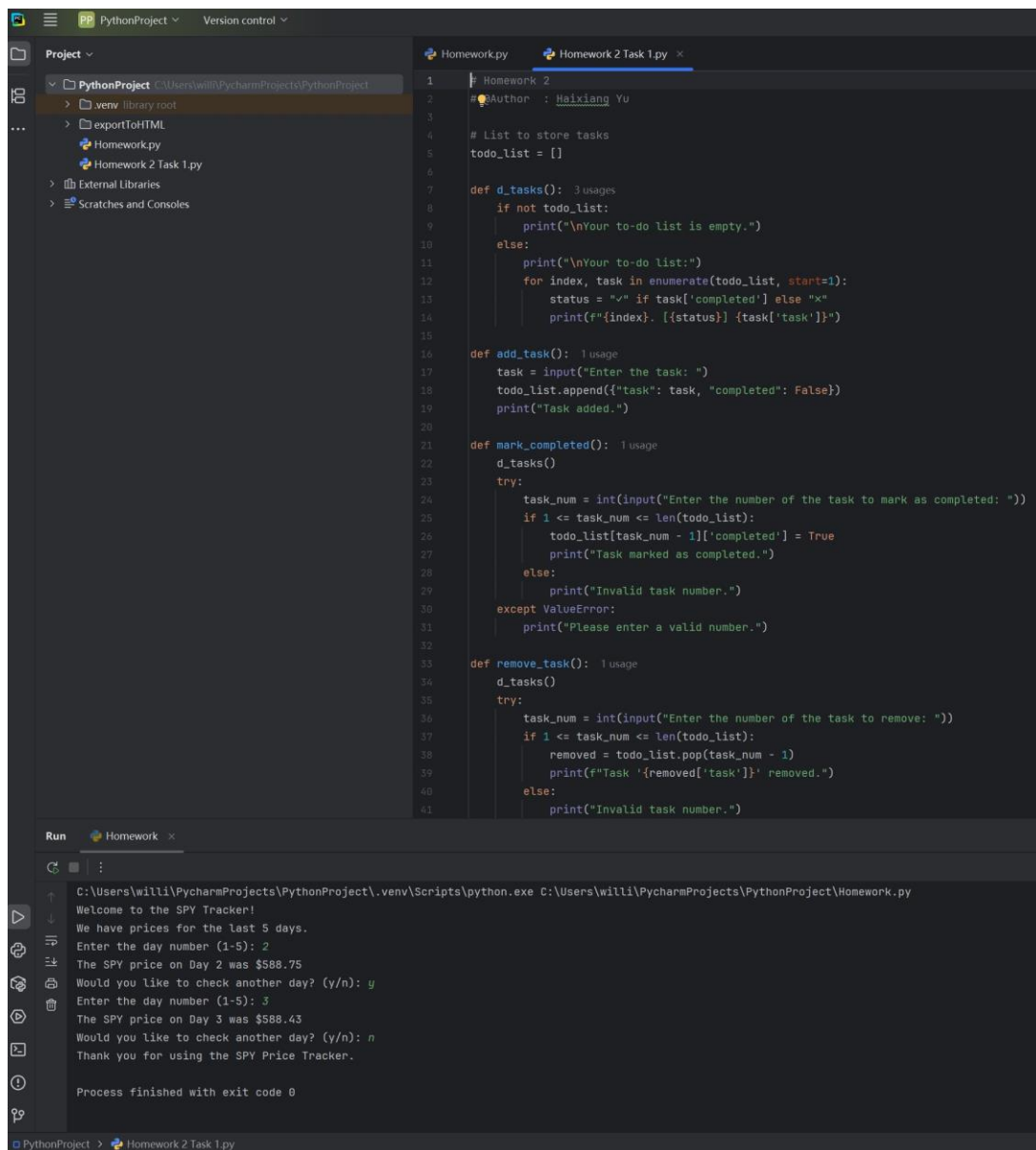


Haixiang Yu

PRG 501

Homework 2 Part 1

Task 1



```
1 # Homework 2
2 # Author : Haixiang Yu
3
4 # List to store tasks
5 todo_list = []
6
7 def d_tasks(): 3 usages
8     if not todo_list:
9         print("\nYour to-do list is empty.")
10    else:
11        print("\nYour to-do list:")
12        for index, task in enumerate(todo_list, start=1):
13            status = "✓" if task['completed'] else "x"
14            print(f"{index}. [{status}] {task['task']}")
15
16 def add_task(): 1 usage
17     task = input("Enter the task: ")
18     todo_list.append({'task': task, 'completed': False})
19     print("Task added.")
20
21 def mark_completed(): 1 usage
22     d_tasks()
23     try:
24         task_num = int(input("Enter the number of the task to mark as completed: "))
25         if 1 <= task_num <= len(todo_list):
26             todo_list[task_num - 1]['completed'] = True
27             print("Task marked as completed.")
28         else:
29             print("Invalid task number.")
30     except ValueError:
31         print("Please enter a valid number.")
32
33 def remove_task(): 1 usage
34     d_tasks()
35     try:
36         task_num = int(input("Enter the number of the task to remove: "))
37         if 1 <= task_num <= len(todo_list):
38             removed = todo_list.pop(task_num - 1)
39             print(f"Task '{removed['task']}' removed.")
40         else:
41             print("Invalid task number.")
```

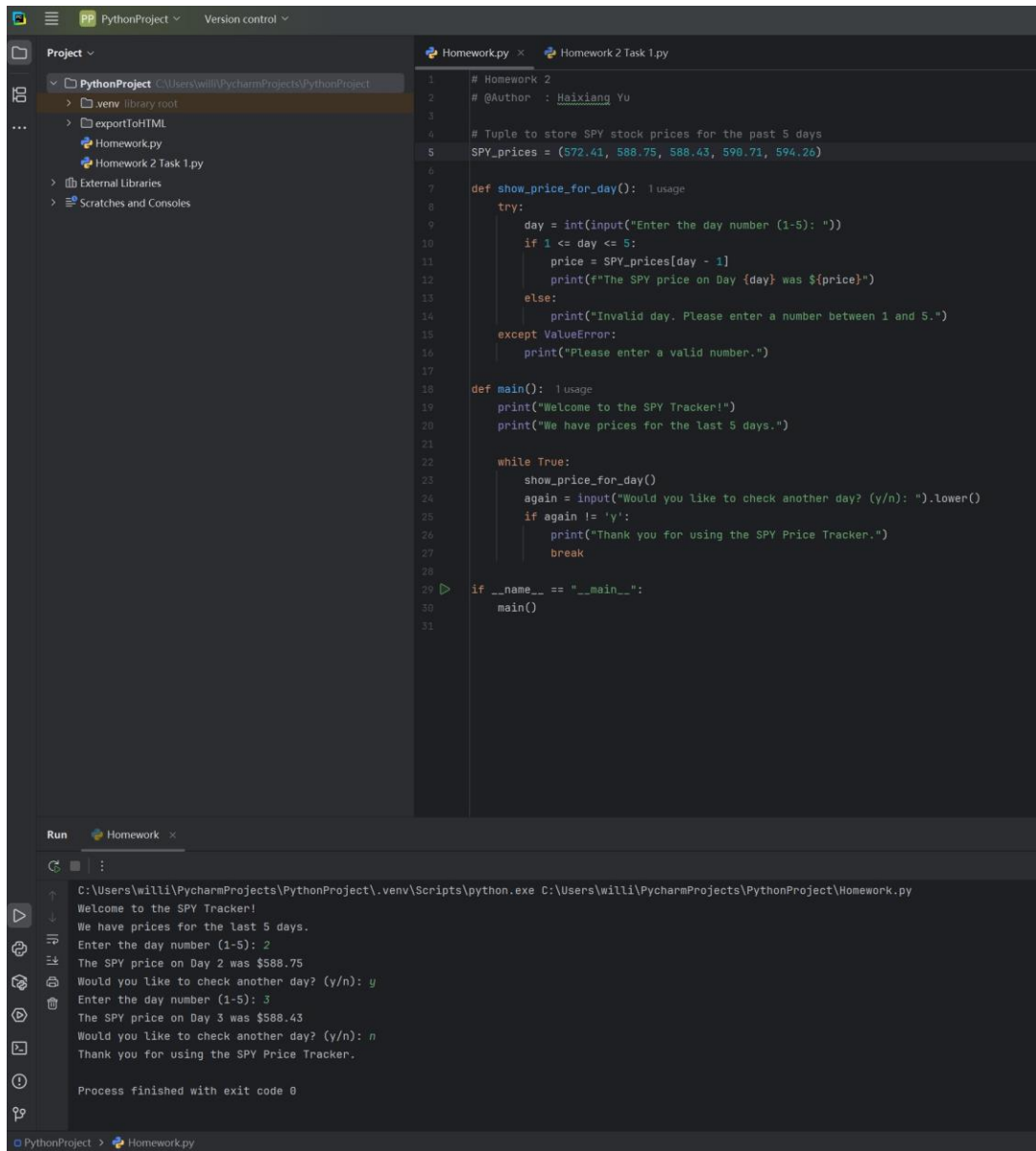
Run Homework

```
C:\Users\willi\PycharmProjects\PythonProject\.venv\Scripts\python.exe C:\Users\willi\PycharmProjects\PythonProject\Homework.py
Welcome to the SPY Tracker!
We have prices for the last 5 days.
Enter the day number (1-5): 2
The SPY price on Day 2 was $588.75
Would you like to check another day? (y/n): y
Enter the day number (1-5): 3
The SPY price on Day 3 was $588.43
Would you like to check another day? (y/n): n
Thank you for using the SPY Price Tracker.

Process finished with exit code 0
```

```
1 C:\Users\willi\PycharmProjects\PythonProject\.venv\
  Scripts\python.exe C:\Users\willi\PycharmProjects\
  PythonProject\Homework.py
2
3 To-Do List Menu:
4 1. View tasks
5 2. Add task
6 3. Mark task as completed
7 4. Remove task
8 5. Quit
9 Choose an option (1-5): 2
10 Enter the task: 23445433553
11 Task added.
12
13 To-Do List Menu:
14 1. View tasks
15 2. Add task
16 3. Mark task as completed
17 4. Remove task
18 5. Quit
19 Choose an option (1-5): 2
20 Enter the task: 342435465
21 Task added.
22
23 To-Do List Menu:
24 1. View tasks
25 2. Add task
26 3. Mark task as completed
27 4. Remove task
28 5. Quit
29 Choose an option (1-5): 3
30
31 Your to-do list:
32 1. [x] 23445433553
33 2. [x] 342435465
34 Enter the number of the task to mark as completed: 22
35 Invalid task number.
36
37 To-Do List Menu:
38 1. View tasks
39 2. Add task
```

```
40 3. Mark task as completed
41 4. Remove task
42 5. Quit
43 Choose an option (1-5): 1
44
45 Your to-do list:
46 1. [x] 23445433553
47 2. [x] 342435465
48
49 To-Do List Menu:
50 1. View tasks
51 2. Add task
52 3. Mark task as completed
53 4. Remove task
54 5. Quit
55 Choose an option (1-5):
```



### Task 3

```
1 # Homework 2
2 # @Author : Haixiang Yu
3
4 import csv
5
6 contacts = {}
7
8 def load_contacts(fremont):
9     try:
10         with open(fremont.csv, mode='r', encoding='ISO-8859-1') as file:
11             reader = csv.reader(fremont.csv)
12             for row in reader:
13                 if len(row) >= 2:
14                     name = row[1].strip()
15                     number = row[2].strip()
16                     contacts[name] = number
17             print(f"Contacts loaded from '{fremont.csv}'.")
18     except FileNotFoundError:
19         print("File not found.")
20     except Exception as e:
21         print(f"Error loading contacts: {e}")
22
23 def view_contacts():
24     if contacts:
25         print("\n--- Contact List ---")
26         for name, number in contacts.items():
27             print(f"{name}: {number}")
28     else:
29         print("No contacts found.")
30
31 def add_contact():
32     name = input("Enter contact name: ").strip()
33     number = input("Enter phone number: ").strip()
34     if name:
35         contacts[name] = number
36         print(f"Contact '{name}' added.")
37     else:
38         print("Invalid name.")
39
40 def delete_contact():
41     name = input("Enter contact name to delete: ").strip()
```

Run Homework 2 Task 3

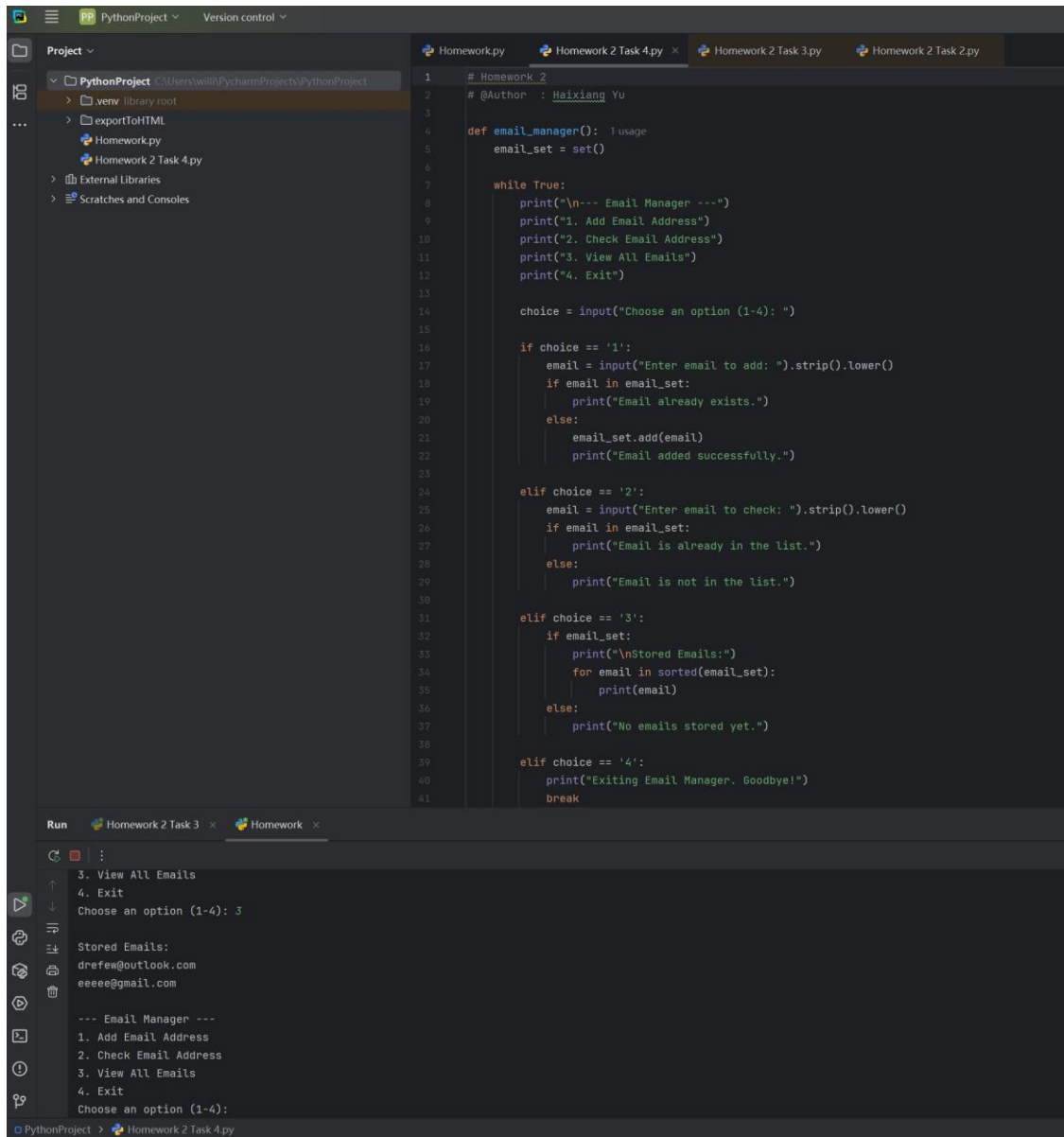
```
4. Load Contacts from CSV
5. Exit
Choose an option (1-5): 1

--- Contact List ---
eeeeee: 332232322

--- Contact Book Menu ---
1. View Contacts
2. Add Contact
3. Delete Contact
4. Load Contacts from CSV
5. Exit
Choose an option (1-5):
```

```
1 C:\Users\willi\PycharmProjects\PythonProject\.venv\
  Scripts\python.exe "C:\Users\willi\Downloads\Homework
    2 Task 3.py"
2
3 --- Contact Book Menu ---
4 1. View Contacts
5 2. Add Contact
6 3. Delete Contact
7 4. Load Contacts from CSV
8 5. Exit
9 Choose an option (1-5): 1
10 No contacts found.
11
12 --- Contact Book Menu ---
13 1. View Contacts
14 2. Add Contact
15 3. Delete Contact
16 4. Load Contacts from CSV
17 5. Exit
18 Choose an option (1-5): 2
19 Enter contact name: eeeee
20 Enter phone number: 332232322
21 Contact 'eeeeee' added.
22
23 --- Contact Book Menu ---
24 1. View Contacts
25 2. Add Contact
26 3. Delete Contact
27 4. Load Contacts from CSV
28 5. Exit
29 Choose an option (1-5): 4
30 Enter the CSV filename (e.g., fremont.csv): fremont
31 Error loading contacts: 'str' object has no attribute
    'csv'
32
33 --- Contact Book Menu ---
34 1. View Contacts
35 2. Add Contact
36 3. Delete Contact
37 4. Load Contacts from CSV
38 5. Exit
```

```
39 Choose an option (1-5): 1
40
41 --- Contact List ---
42 eeeee: 332232322
43
44 --- Contact Book Menu ---
45 1. View Contacts
46 2. Add Contact
47 3. Delete Contact
48 4. Load Contacts from CSV
49 5. Exit
50 Choose an option (1-5):
```





```
1 C:\Users\willi\PycharmProjects\PythonProject\.venv\
  Scripts\python.exe C:\Users\willi\PycharmProjects\
  PythonProject\Homework.py
2
3 --- Email Manager ---
4 1. Add Email Address
5 2. Check Email Address
6 3. View All Emails
7 4. Exit
8 Choose an option (1-4): 1
9 Enter email to add: eeeee@gmail.com
10 Email added successfully.
11
12 --- Email Manager ---
13 1. Add Email Address
14 2. Check Email Address
15 3. View All Emails
16 4. Exit
17 Choose an option (1-4): 1
18 Enter email to add: drefew@outlook.com
19 Email added successfully.
20
21 --- Email Manager ---
22 1. Add Email Address
23 2. Check Email Address
24 3. View All Emails
25 4. Exit
26 Choose an option (1-4): 3
27
28 Stored Emails:
29 drefew@outlook.com
30 eeeee@gmail.com
31
32 --- Email Manager ---
33 1. Add Email Address
34 2. Check Email Address
35 3. View All Emails
36 4. Exit
37 Choose an option (1-4):
```