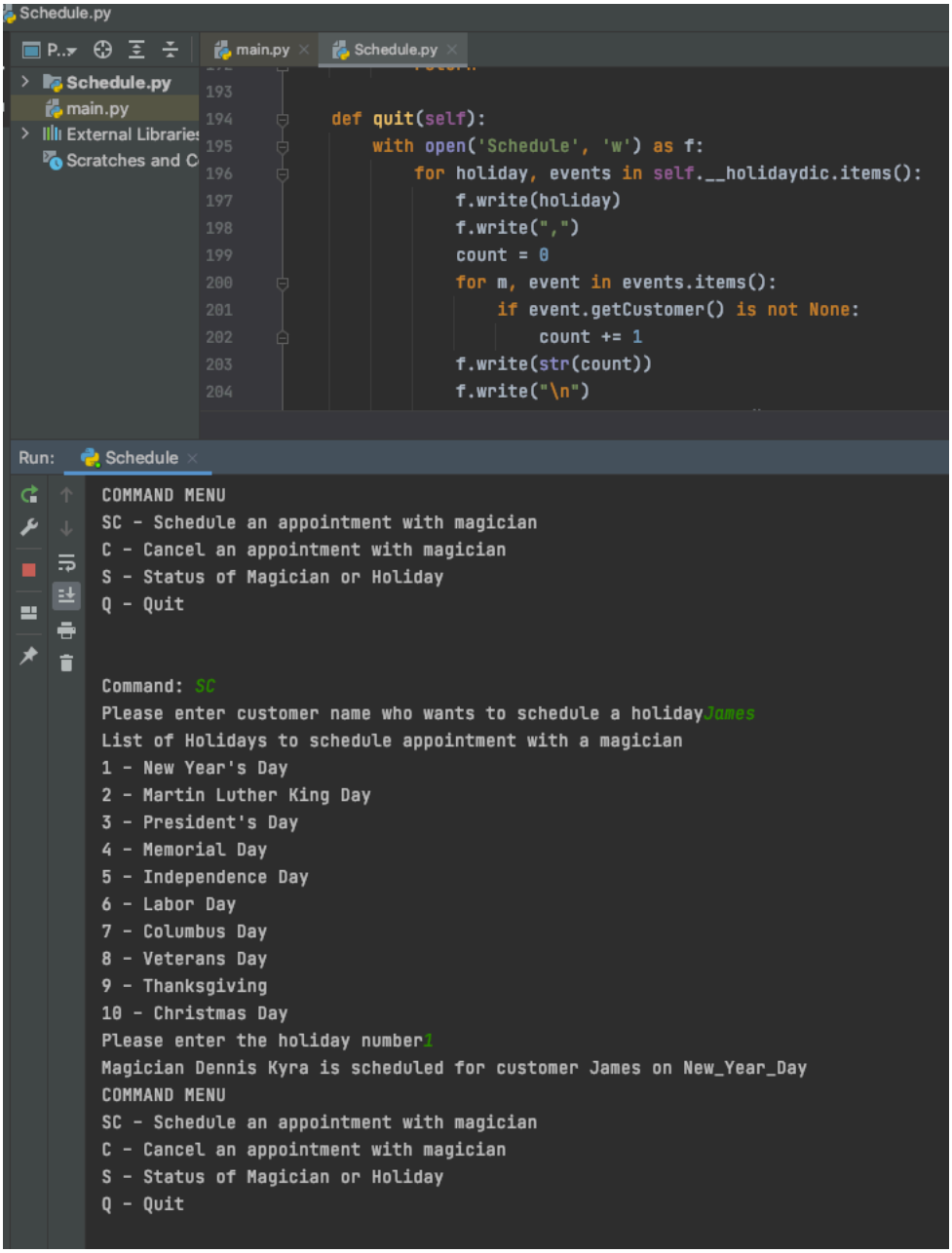
Execution Output

1. Scheduling (SC) for an appointment with a magician.

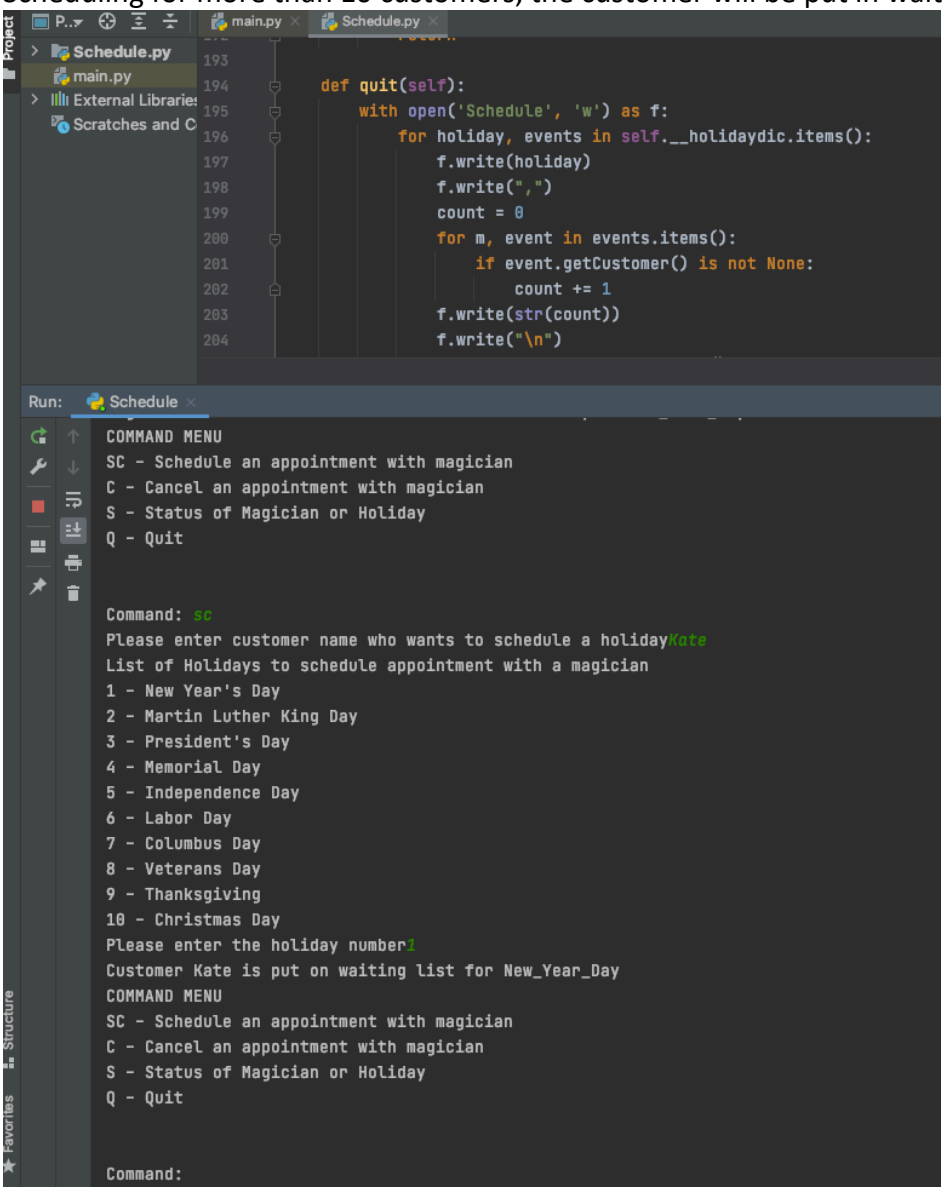


2. Scheduling another customer with an magician

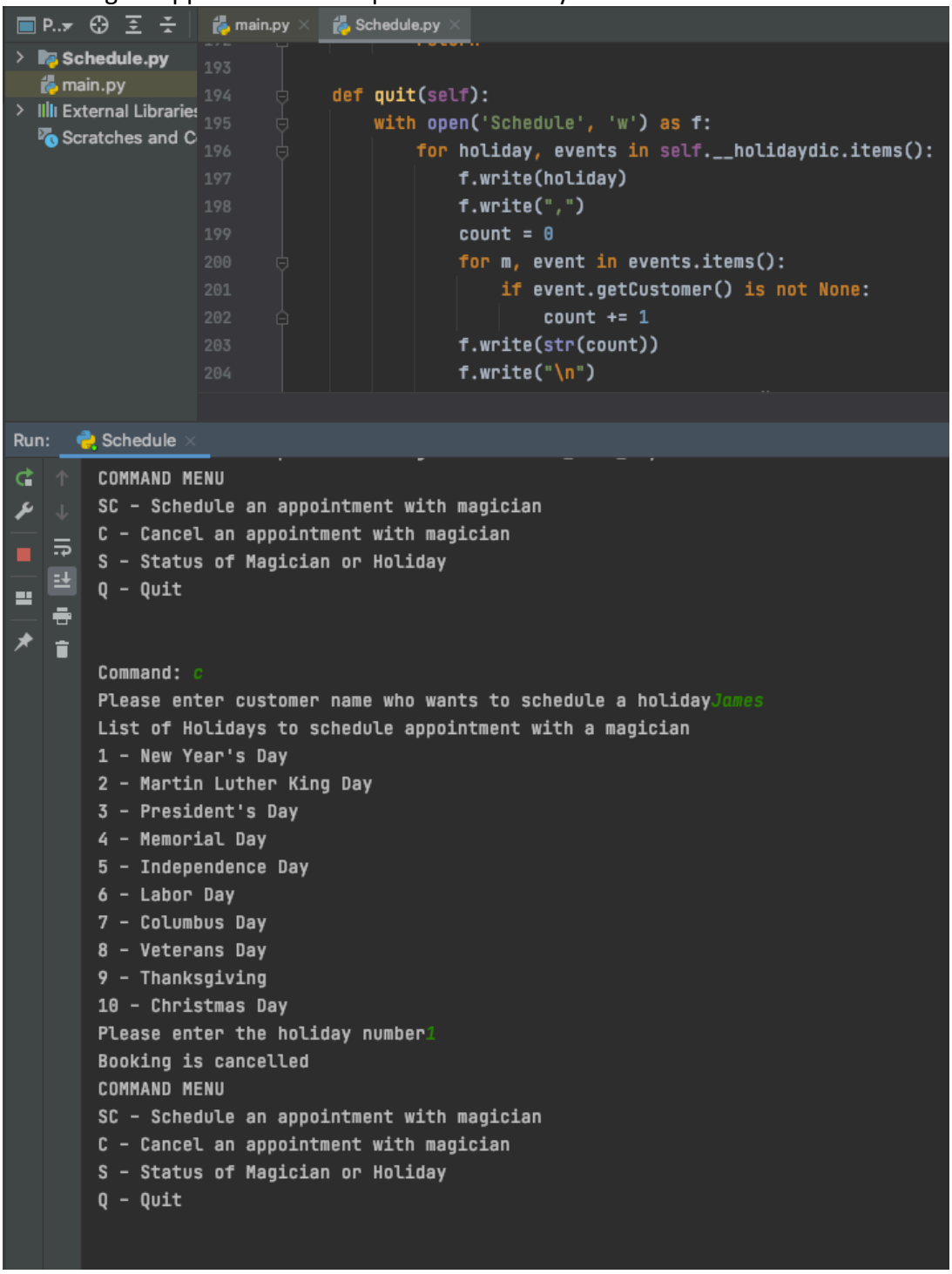
```
Command: SC
Please enter customer name who wants to schedule a holidayHarshinee
List of Holidays to schedule appointment with a magician
1 - New Year's Day
2 - Martin Luther King Day
3 - President's Day
4 - Memorial Day
5 - Independence Day
6 - Labor Day
7 - Columbus Day
8 - Veterans Day
9 - Thanksgiving
10 - Christmas Day
Please enter the holiday number1
Magician James Maxwell is scheduled for customer Harshinee on New_Year_Day
COMMAND MENU
SC - Schedule an appointment with magician
C - Cancel an appointment with magician
S - Status of Magician or Holiday
Q - Quit
```

Similarly scheduling for another 8 customers.

3. Scheduling for more than 10 customers, the customer will be put in waiting list.



4. Cancelling an appointment for a particular holiday



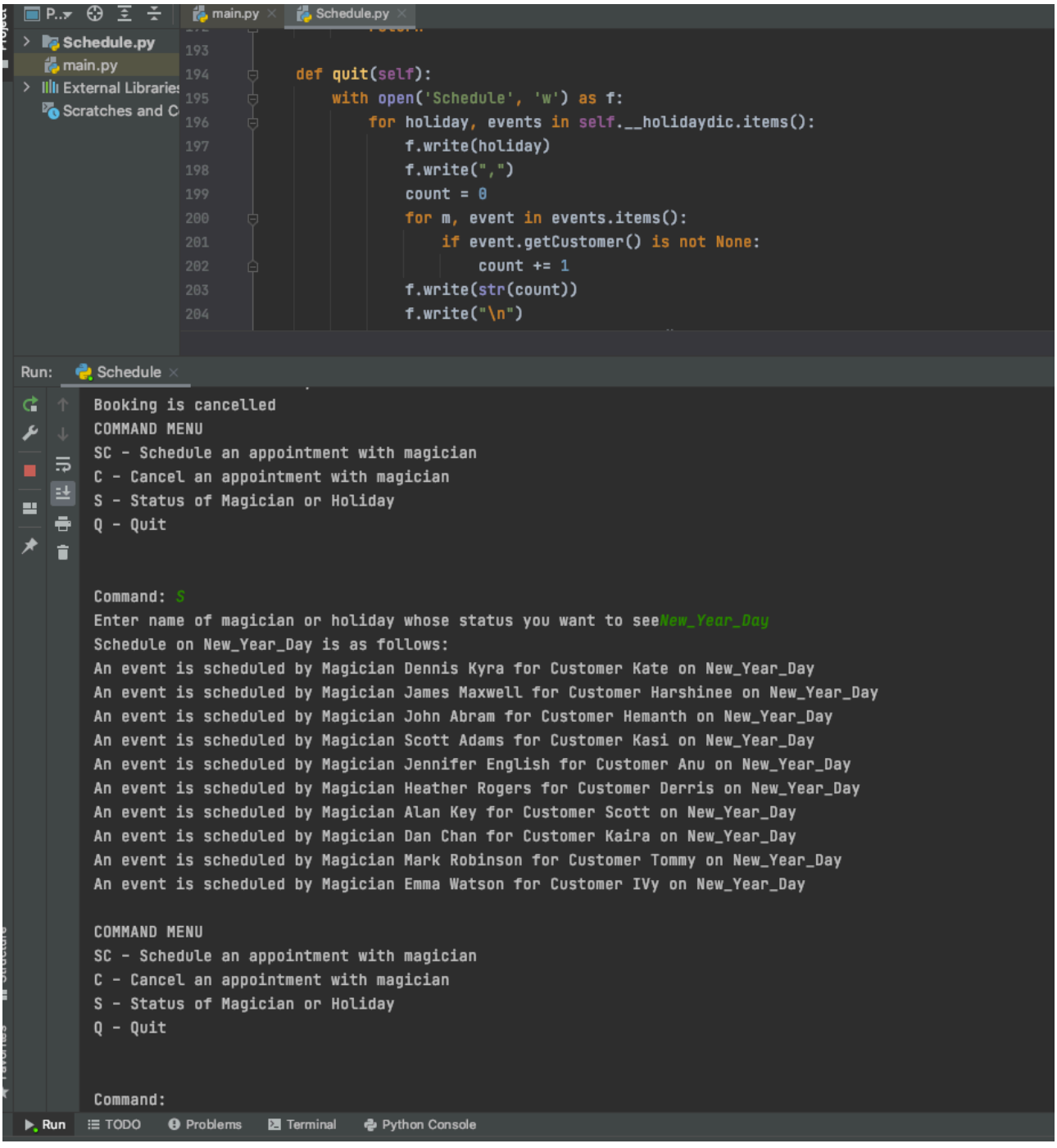
```
    def quit(self):
        with open('Schedule', 'w') as f:
            for holiday, events in self.__holidaydic.items():
                f.write(holiday)
                f.write(",")
                count = 0
                for m, event in events.items():
                    if event.getCustomer() is not None:
                        count += 1
                f.write(str(count))
                f.write("\n")
```

```
COMMAND MENU
SC - Schedule an appointment with magician
C - Cancel an appointment with magician
S - Status of Magician or Holiday
Q - Quit


Command: c
Please enter customer name who wants to schedule a holidayJames
List of Holidays to schedule appointment with a magician
1 - New Year's Day
2 - Martin Luther King Day
3 - President's Day
4 - Memorial Day
5 - Independence Day
6 - Labor Day
7 - Columbus Day
8 - Veterans Day
9 - Thanksgiving
10 - Christmas Day
Please enter the holiday number1
Booking is cancelled
COMMAND MENU
SC - Schedule an appointment with magician
C - Cancel an appointment with magician
S - Status of Magician or Holiday
Q - Quit
```

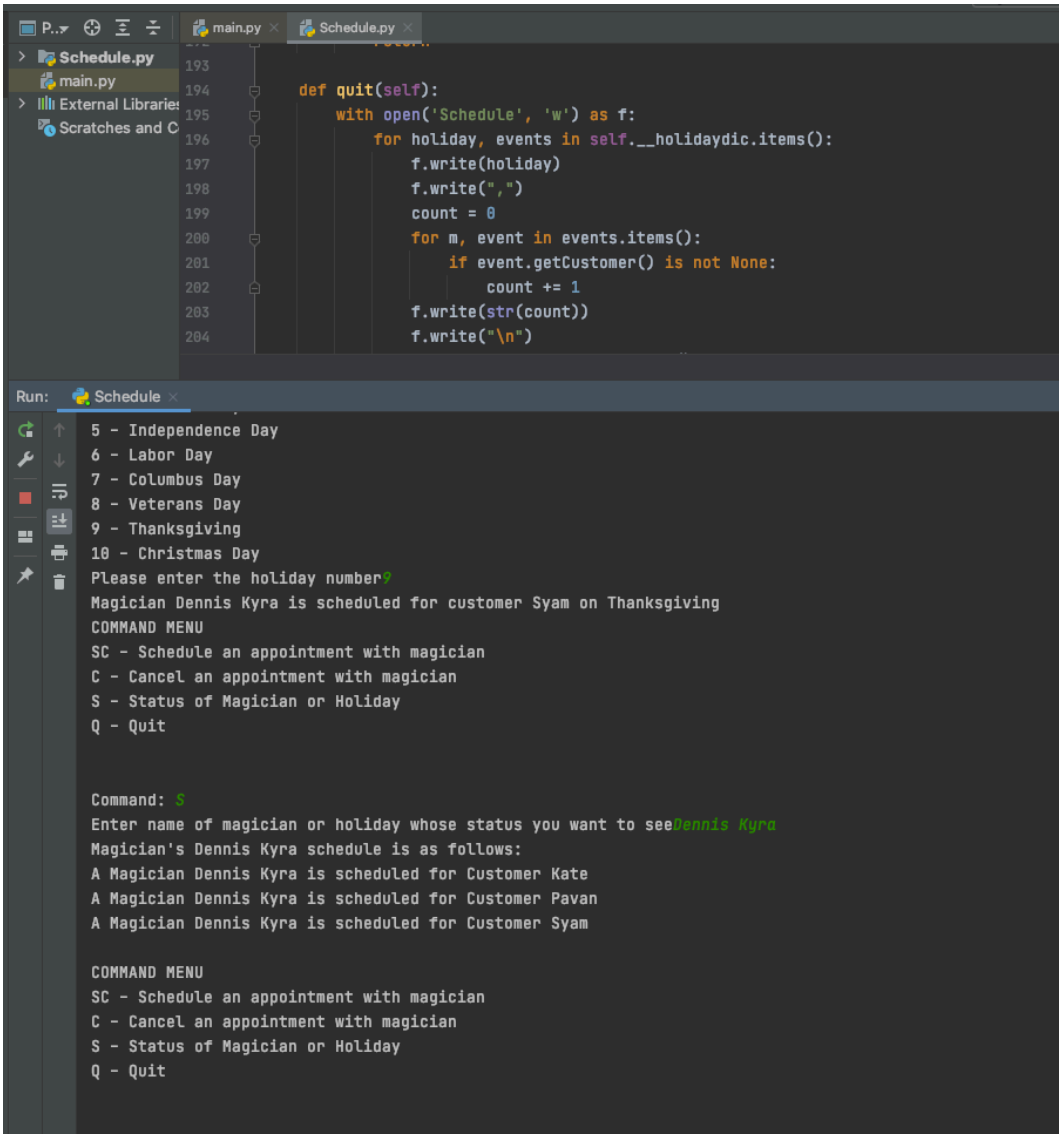
5. Checking Status (S) of a particular holiday or magician.
   First let's check for holiday

A person on waiting list is automatically scheduled for a magician if someone cancels.

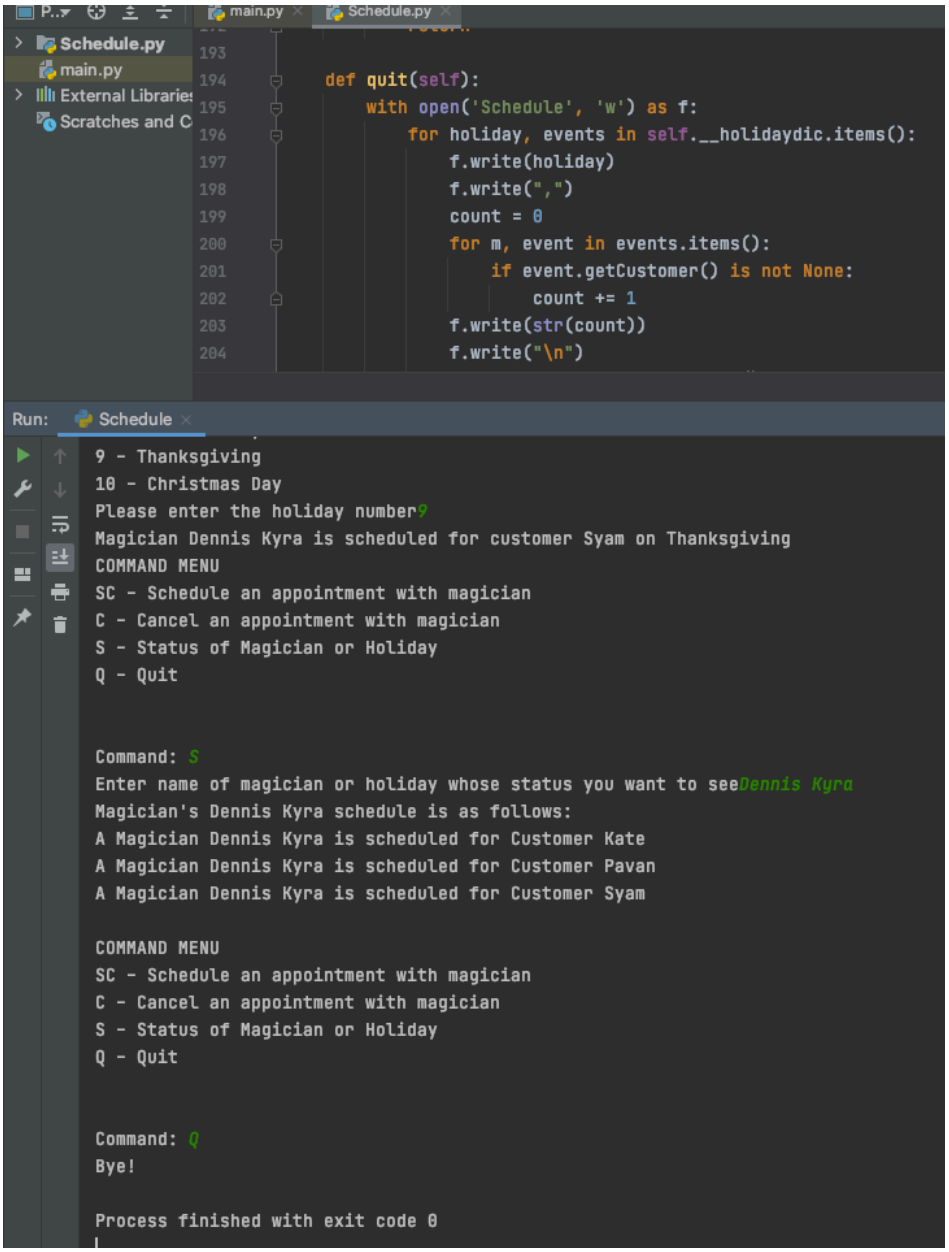


Similarly scheduling for more customers.

6. Checking Status (S) of a particular holiday or magician.
   Let's check for magician



7. Quit – Saving the schedule and exiting the program


Schedule.py
main.py
External Libraries
Scratches and C
def quit(self):
with open('Schedule', 'w') as f:
for holiday, events in self.__holidaydic.items():
f.write(holiday)
f.write(",")
count = 0
for m, event in events.items():
if event.getCustomer() is not None:
count += 1
f.write(str(count))
f.write("\n")
Run:
Schedule
9 - Thanksgiving
10 - Christmas Day
Please enter the holiday number9
Magician Dennis Kyra is scheduled for customer Syam on Thanksgiving
COMMAND MENU
SC - Schedule an appointment with magician
C - Cancel an appointment with magician
S - Status of Magician or Holiday
Q - Quit
Command: S
Enter name of magician or holiday whose status you want to seeDennis Kyra
Magician's Dennis Kyra schedule is as follows:
A Magician Dennis Kyra is scheduled for Customer Kate
A Magician Dennis Kyra is scheduled for Customer Pavan
A Magician Dennis Kyra is scheduled for Customer Syam
COMMAND MENU
SC - Schedule an appointment with magician
C - Cancel an appointment with magician
S - Status of Magician or Holiday
Q - Quit
Command: Q
Bye!
Process finished with exit code 0

8. The Schedule is now written in the Schedule file.