

Във файлът е зареден хотел с 8 стаи:

Номер на стая	41	34	69	78	62	5	81	61
Места	3	1	5	4	5	1	3	2

Примерна интеракция с програмата върху заредения хотел (в **червено** е оцветен текстът, изведен от програмата, а в черно – този, въведен от потребителя):

```
Enter the path to the file with the loaded rooms: ..\..\save rooms\save rooms\hotel_example3
There was an error loading the file! Try again!
Enter the path to the file with the loaded rooms: ..\..\save rooms\save rooms\hotel_example3.bin
File loaded successfully!
There are 8 rooms in the hotel.

-----

TO PERFORM OPERATIONS, ENTER SOME OF THE FOLLOWING COMMANDS: (CASE-INSENSITIVE)
REGISTER A GUEST
PRINT THE FREE ROOMS
FREE A ROOM
PRINT A REPORT
FIND A ROOM
CLOSE A ROOM
EXIT THE APP

-----

Command: Register a guest
Enter a room number: 34
Enter the number of guests: 1
Enter the first date of the period: 2022-05-25
Enter the last date of the period: 2022-06-01
Enter the guest's name: Petur Petrov
Enter a note (Optional):
The reservation for Petur Petrov from 2022-05-25 to 2022-06-01 has been saved successfully!
Command: register a guest
Enter a room number: 62
Enter the number of guests: 3
Enter the first date of the period: 2022-05-20
Enter the last date of the period: 2022-50-29
Invalid date entered! Please, try again: 2022-05-29
Enter the guest's name: Hristo Hristov
Enter a note (Optional): Wants iron and ironing board
The reservation for Hristo Hristov from 2022-05-20 to 2022-05-29 has been saved successfully!
There is a note for the reservation: Wants iron and ironing board
Command: find a room
Enter the number of guests: 5
Enter the first date of the period: 2022-05-17
Enter the last date of the period: 2022-06-15
The guest can be accommodated in room #69
Command: register a guest
Enter a room number: 69
Enter the number of guests: 5
Enter the first date of the period: 2022-05-17
Enter the last date of the period: 2022-05-15
The end of the period should be at least one day after the beginning! Please, enter the period again!
Enter the first date of the period: 2022-05-17
Enter the last date of the period: 2022-06-15
Enter the guest's name: Georgi Georgiev
Enter a note (Optional):
The reservation for Georgi Georgiev from 2022-05-17 to 2022-06-15 has been saved successfully!
Command: register guest
Invalid command!
Command: register a guest
Enter a room number: 62
Enter the number of guests: 3
Enter the first date of the period: 2022-05-20
Enter the last date of the period: 2022-05-28
Enter the guest's name: Nikola Nikolov
Enter a note (Optional): wants provision of a babysitter
There is already a reservation for room #62 under the name of Hristo Hristov from 2022-05-20 to 2022-05-29
Please, choose one of the following:
1) Accommodate Nikola Nikolov in room #41
2) Change the accommodation room for the reservation of Hristo Hristov to room #41 and accommodate Nikola Nikolov in room #62
3) Cancel the accommodation of Nikola Nikolov
Enter the number of the option you chose: 1
The reservation for Nikola Nikolov from 2022-05-20 to 2022-05-28 has been saved successfully!
There is a note for the reservation: wants provision of a babysitter
Command: register a guest
Enter a room number: 62
Enter the number of guests: 5
Enter the first date of the period: 2022-05-25
Enter the last date of the period: 2022-05-28
Enter the guest's name: Ivan Ivanov
```

Enter a note (Optional):

There is already a reservation for room #62 under the name of Hristo Hristov from 2022-05-20 to 2022-05-29

Please, choose one of the following:

- 1) Change the accommodation room for the reservation of Hristo Hristov to room #81 and accommodate Ivan Ivanov in room #62
- 2) Cancel the accommodation of Ivan Ivanov

Enter the number of the option you chose: 1

The reservation for Ivan Ivanov from 2022-05-25 to 2022-05-28 has been saved successfully!

Command: register a guest

Enter a room number: 62

Enter the number of guests: 3

Enter the first date of the period: 2022-05-29

Enter the last date of the period: 2022-06-10

Enter the guest's name: Radostin Radostinov

Enter a note (Optional):

The reservation for Radostin Radostinov from 2022-05-29 to 2022-06-10 has been saved successfully!

Command: register a guest

Enter a room number: 62

Enter the number of guests: 3

Enter the first date of the period: 2022-05-15

Enter the last date of the period: 2022-06-15

Enter the guest's name: Dimitur Dimitrov

Enter a note (Optional):

There are several reservations for room #62 during this period!

Please, choose one of the following:

- 1) Accommodate Dimitur Dimitrov in room #78
- 2) Cancel the accommodation of Dimitur Dimitrov

Enter the number of the option you chose: 2

The reservation was rejected!

Command: print the free rooms

Enter a date: 2022-05-25

There are 3 free rooms on 2022-05-25:

5

61

78

Command: register a guest

Enter a room number: 61

Enter the number of guests: 3

Enter the first date of the period: 2022-05-21

Enter the last date of the period: 2022-05-30

Enter the guest's name: Aleksandur Aleksandrov

Enter a note (Optional):

There are no enough beds in the room!

Please, choose one of the following:

- 1) Accommodate Aleksandur Aleksandrov in room #78
- 2) Cancel the accommodation of Aleksandur Aleksandrov

Enter the number of the option you chose: 1

The reservation for Aleksandur Aleksandrov from 2022-05-21 to 2022-05-30 has been saved successfully!

Command: print the free rooms

Enter a date: 2022-05-25

There are 2 free rooms on 2022-05-25:

5

61

Command: close a room

Enter a room number: 5

Enter the first date of the period: 2022-05-27

Enter the last date of the period: 2022-05-28

Enter a note about the closure: renovation

The information about closing room #5 from 2022-05-27 to 2022-05-28 has been saved successfully!

The reason for the closing is: renovation

Command: close a room

Enter a room number: 34

Enter the first date of the period: 2022-05-27

Enter the last date of the period: 2022-05-28

Enter a note about the closure: renovation

Cannot close the room because there is already a reservation for room #34 under the name of Petur Petrov from 2022-05-25 to 2022-06-01

Command: register a guest

Enter a room number: 5

Enter the number of guests: 1

Enter the first date of the period: 2022-04-20

Enter the last date of the period: 2022-05-29

Enter the guest's name: Bogdan Bogdanov

Enter a note (Optional):

Room #5 will be closed from 2022-05-27 to 2022-05-28 because of renovation

Please, choose one of the following:

- 1) Accommodate Bogdan Bogdanov in room #61
- 2) Cancel the accommodation of Bogdan Bogdanov

Enter the number of the option you chose: 1

The reservation for Bogdan Bogdanov from 2022-04-20 to 2022-05-29 has been saved successfully!

Command: free a room

Enter a room number: 22
Enter the date of departure: 2022-05-25
There is no room #22 in the hotel!
Command: free a room
Enter a room number: 61
Enter the date of departure: 2022-05-25
The room was vacated successfully!
Command: print a report
Enter the first date of the period: 2022-05-21
Enter the last date of the period: 2022-05-30
Room #34 was occupied 6 days.
Room #61 was occupied 5 days.
Room #41 was occupied 8 days.
Room #81 was occupied 9 days.
Room #78 was occupied 10 days.
Room #62 was occupied 6 days.
Room #69 was occupied 10 days.
End of the report
Command: free a room
Enter a room number: 61
Enter the date of departure: 2022-05-27
The room is already empty!
Command: exit the app