Computer Programming I — Final Exam

2022/1/9

Design a Simplified Evergreen Laurel Hotel Reservation System

Functions

1. Making Reservation:

① Error check the check-in-date and the check-out-date entered by user.

② Insert a new record into the binary file Reservations.dat.

③ Modify the records for the reservation dates in the binary file Available Rooms.dat.

④ Delete outdated records in the binary files Available Rooms.dat and Reservations.dat.

2. Reservation Inquiry: Display all reservations of a user.

Requirements:

1. Global variables, except roomRate, totalNumRooms and roomTypeName, are not allowed.

The file record format of the file Reservations.dat is

char id[ 12 ]; // ID number

char name[ 12 ]; // Name

char mobile[ 12 ]; // Mobile phone number

int roomType; // Room type

int numRooms; // Number of rooms

Date checkInDate; // Check in date

Date checkOutDate; // Check out date

and the file record format of the file Available Rooms.dat is

Date date;

int availableRooms[ 6 ];

// availableRooms[ 0 ]: Not used

// availableRooms[ 1 ]: The number of available Superior rooms

// availableRooms[ 2 ]: The number of available Deluxe rooms

// availableRooms[ 3 ]: The number of available Deluxe Twin Rooms

// availableRooms[ 4 ]: The number of available Superior Suites

// availableRooms[ 5 ]: The number of available Deluxe Suites

where Date is a structure which has three fields as follows:

int year;

int month;

int day;

The screen dialog (Available Rooms 2022-1-9.dat):

|  |
| --- |
| Evergreen Laurel Hotel Online Reservation System  1 - Making Reservation  2 - Reservation Inquiry  3 - End  Enter your choice: (1~3): 2  Enter Your ID Number：11  Sorry! You do not have reservations!  1 - Making Reservation  2 - Reservation Inquiry  3 - End  Enter your choice: (1~3): 1  Please Input Check In Date  Month：  1. 2022-01  2. 2022-02  3. 2022-03  4. 2022-04  5. 2022-05  6. 2022-06  ? 1  Day (9 ~ 31)：9  Please Input Check Out Date  Month：  1. 2022-01  2. 2022-02  3. 2022-03  4. 2022-04  5. 2022-05  6. 2022-06  ? 1  Day (10 ~ 31)：22  Check in date: 2022-01-09  Check out date: 2022-01-22  There are no rooms available!  1 - Making Reservation  2 - Reservation Inquiry  3 - End  Enter your choice: (1~3): 1  Please Input Check In Date  Month：  1. 2022-01  2. 2022-02  3. 2022-03  4. 2022-04  5. 2022-05  6. 2022-06  ? 1  Day (9 ~ 31)：9  Please Input Check Out Date  Month：  1. 2022-01  2. 2022-02  3. 2022-03  4. 2022-04  5. 2022-05  6. 2022-06  ? 1  Day (10 ~ 31)：13  Check in date: 2022-01-09  Check out date: 2022-01-13  The number of available rooms of each room type:  Date Superior Room Deluxe Room Deluxe Twin Room Superior Suite Deluxe Suite  2022-01-09 5 0 2 1 2  2022-01-10 8 5 3 1 2  2022-01-11 2 5 3 1 2  2022-01-12 3 2 3 1 0  Select Room Type：  1. Superior Room  3. Deluxe Twin Room  4. Superior Suite  6. Give up  ? 2  Select Room Type：  1. Superior Room  3. Deluxe Twin Room  4. Superior Suite  6. Give up  ? 5  Select Room Type：  1. Superior Room  3. Deluxe Twin Room  4. Superior Suite  6. Give up  ? 6  1 - Making Reservation  2 - Reservation Inquiry  3 - End  Enter your choice: (1~3): 1  Please Input Check In Date  Month：  1. 2022-01  2. 2022-02  3. 2022-03  4. 2022-04  5. 2022-05  6. 2022-06  ? 1  Day (9 ~ 31)：8  Day (9 ~ 31)：9  Please Input Check Out Date  Month：  1. 2022-01  2. 2022-02  3. 2022-03  4. 2022-04  5. 2022-05  6. 2022-06  ? 1  Day (10 ~ 31)：9  Day (10 ~ 31)：13  Check in date: 2022-01-09  Check out date: 2022-01-13  The number of available rooms of each room type:  Date Superior Room Deluxe Room Deluxe Twin Room Superior Suite Deluxe Suite  2022-01-09 5 0 2 1 2  2022-01-10 8 5 3 1 2  2022-01-11 2 5 3 1 2  2022-01-12 3 2 3 1 0  Select Room Type：  1. Superior Room  3. Deluxe Twin Room  4. Superior Suite  6. Give up  ? 1  Number of rooms ( 2 rooms available ): 3  Number of rooms ( 2 rooms available ): 1  ID Number：11  Name：aa  Mobile Phone：11  Your reservations:  Name Fare Mobile Room type Number of rooms Check in date Check out date  aa 21560 11 Superior Room 1 2022-01-09 2022-01-13  1 - Making Reservation  2 - Reservation Inquiry  3 - End  Enter your choice: (1~3): 1  Please Input Check In Date  Month：  1. 2022-01  2. 2022-02  3. 2022-03  4. 2022-04  5. 2022-05  6. 2022-06  ? 6  Day (1 ~ 29)：30  Day (1 ~ 29)：29  Please Input Check Out Date  Month：  6. 2022-06  ? 6  Day (30 ~ 30)：30  Check in date: 2022-06-29  Check out date: 2022-06-30  The number of available rooms of each room type:  Date Superior Room Deluxe Room Deluxe Twin Room Superior Suite Deluxe Suite  2022-06-29 5 3 2 0 4  Select Room Type：  1. Superior Room  2. Deluxe Room  3. Deluxe Twin Room  5. Deluxe Suite  6. Give up  ? 3  Number of rooms ( 2 rooms available ): 1  ID Number：22  Name：bb  Mobile Phone：22  Your reservations:  Name Fare Mobile Room type Number of rooms Check in date Check out date  bb 6270 22 Deluxe Twin Room 1 2022-06-29 2022-06-30  1 - Making Reservation  2 - Reservation Inquiry  3 - End  Enter your choice: (1~3): 2  Enter Your ID Number：22  Name Fare Mobile Room type Number of rooms Check in date Check out date  bb 6270 22 Deluxe Twin Room 1 2022-06-29 2022-06-30  1 - Making Reservation  2 - Reservation Inquiry  3 - End  Enter your choice: (1~3): 2  Enter Your ID Number：11  Name Fare Mobile Room type Number of rooms Check in date Check out date  aa 21560 11 Superior Room 1 2022-01-09 2022-01-13  1 - Making Reservation  2 - Reservation Inquiry  3 - End  Enter your choice: (1~3): 3  請按任意鍵繼續 . . . |

Reservations.dat

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 11 | aa | 11 | 1 | 1 | 2022-1-8 | 2022-1-9 |

Available Rooms 2022-1-9.dat

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 2022-01-09 | 0 | 5 | 0 | 2 | 1 | 2 |
| 2022-01-10 | 0 | 8 | 5 | 3 | 1 | 2 |
| 2022-01-11 | 0 | 2 | 5 | 3 | 1 | 2 |
| 2022-01-12 | 0 | 3 | 2 | 3 | 1 | 0 |
| 2022-01-13 | 0 | 6 | 0 | 2 | 1 | 4 |
| 2022-01-14 | 0 | 9 | 1 | 2 | 3 | 3 |
| 2022-01-15 | 0 | 6 | 5 | 2 | 4 | 4 |
| 2022-01-16 | 0 | 3 | 1 | 3 | 1 | 2 |
| 2022-01-17 | 0 | 7 | 1 | 3 | 2 | 0 |
| 2022-01-18 | 0 | 9 | 4 | 1 | 4 | 4 |
| 2022-01-19 | 0 | 0 | 1 | 0 | 5 | 2 |
| 2022-01-20 | 0 | 9 | 5 | 3 | 3 | 0 |
| 2022-01-21 | 0 | 2 | 5 | 3 | 0 | 0 |
| 2022-01-22 | 0 | 3 | 5 | 3 | 2 | 0 |
| 2022-01-23 | 0 | 4 | 2 | 1 | 2 | 0 |
| 2022-01-24 | 0 | 2 | 3 | 3 | 1 | 4 |
| 2022-01-25 | 0 | 5 | 0 | 3 | 5 | 3 |
| 2022-01-26 | 0 | 2 | 2 | 3 | 1 | 1 |
| 2022-01-27 | 0 | 8 | 4 | 3 | 0 | 0 |
| 2022-01-28 | 0 | 4 | 4 | 0 | 5 | 4 |
| 2022-01-29 | 0 | 4 | 4 | 3 | 5 | 3 |
| 2022-01-30 | 0 | 3 | 0 | 3 | 0 | 1 |
| 2022-01-31 | 0 | 7 | 3 | 2 | 3 | 2 |
| 2022-02-01 | 0 | 2 | 2 | 2 | 5 | 4 |
| 2022-02-02 | 0 | 5 | 1 | 2 | 1 | 0 |
| 2022-02-03 | 0 | 9 | 5 | 1 | 0 | 1 |
| 2022-02-04 | 0 | 4 | 4 | 3 | 5 | 0 |
| 2022-02-05 | 0 | 2 | 2 | 0 | 5 | 0 |
| 2022-02-06 | 0 | 3 | 1 | 0 | 0 | 1 |
| 2022-02-07 | 0 | 8 | 4 | 1 | 5 | 0 |
| 2022-02-08 | 0 | 8 | 1 | 3 | 1 | 3 |
| 2022-02-09 | 0 | 6 | 1 | 1 | 5 | 0 |
| 2022-02-10 | 0 | 1 | 0 | 3 | 1 | 1 |
| 2022-02-11 | 0 | 0 | 0 | 0 | 5 | 1 |
| 2022-02-12 | 0 | 1 | 3 | 1 | 2 | 1 |
| 2022-02-13 | 0 | 9 | 4 | 1 | 0 | 0 |
| 2022-02-14 | 0 | 4 | 3 | 0 | 4 | 1 |
| 2022-02-15 | 0 | 1 | 3 | 2 | 1 | 2 |
| 2022-02-16 | 0 | 7 | 2 | 3 | 1 | 3 |
| 2022-02-17 | 0 | 7 | 1 | 1 | 3 | 3 |
| 2022-02-18 | 0 | 9 | 1 | 3 | 3 | 3 |
| 2022-02-19 | 0 | 8 | 5 | 2 | 0 | 2 |
| 2022-02-20 | 0 | 2 | 0 | 1 | 3 | 1 |
| 2022-02-21 | 0 | 8 | 0 | 2 | 3 | 1 |
| 2022-02-22 | 0 | 3 | 3 | 0 | 2 | 1 |
| 2022-02-23 | 0 | 8 | 3 | 3 | 5 | 4 |
| 2022-02-24 | 0 | 0 | 3 | 3 | 2 | 2 |
| 2022-02-25 | 0 | 4 | 4 | 0 | 1 | 4 |
| 2022-02-26 | 0 | 1 | 3 | 3 | 1 | 0 |
| 2022-02-27 | 0 | 7 | 4 | 0 | 0 | 0 |
| 2022-02-28 | 0 | 5 | 3 | 1 | 1 | 3 |
| 2022-03-01 | 0 | 1 | 4 | 1 | 3 | 2 |
| 2022-03-02 | 0 | 1 | 5 | 2 | 2 | 2 |
| 2022-03-03 | 0 | 1 | 2 | 0 | 3 | 4 |
| 2022-03-04 | 0 | 8 | 2 | 1 | 3 | 2 |
| 2022-03-05 | 0 | 0 | 1 | 0 | 5 | 0 |
| 2022-03-06 | 0 | 4 | 0 | 2 | 0 | 1 |
| 2022-03-07 | 0 | 8 | 3 | 3 | 5 | 4 |
| 2022-03-08 | 0 | 9 | 3 | 0 | 5 | 3 |
| 2022-03-09 | 0 | 8 | 3 | 3 | 2 | 3 |
| 2022-03-10 | 0 | 5 | 4 | 0 | 5 | 1 |
| 2022-03-11 | 0 | 3 | 3 | 0 | 3 | 4 |
| 2022-03-12 | 0 | 4 | 0 | 0 | 2 | 4 |
| 2022-03-13 | 0 | 4 | 1 | 0 | 5 | 0 |
| 2022-03-14 | 0 | 4 | 1 | 1 | 2 | 4 |
| 2022-03-15 | 0 | 1 | 2 | 0 | 5 | 0 |
| 2022-03-16 | 0 | 9 | 5 | 1 | 4 | 3 |
| 2022-03-17 | 0 | 3 | 5 | 0 | 4 | 0 |
| 2022-03-18 | 0 | 5 | 1 | 3 | 5 | 3 |
| 2022-03-19 | 0 | 1 | 0 | 2 | 4 | 1 |
| 2022-03-20 | 0 | 9 | 0 | 1 | 2 | 1 |
| 2022-03-21 | 0 | 4 | 3 | 0 | 5 | 4 |
| 2022-03-22 | 0 | 1 | 1 | 1 | 3 | 3 |
| 2022-03-23 | 0 | 8 | 2 | 3 | 3 | 3 |
| 2022-03-24 | 0 | 5 | 5 | 1 | 3 | 2 |
| 2022-03-25 | 0 | 7 | 1 | 1 | 5 | 0 |
| 2022-03-26 | 0 | 5 | 5 | 1 | 5 | 2 |
| 2022-03-27 | 0 | 9 | 5 | 1 | 0 | 1 |
| 2022-03-28 | 0 | 9 | 5 | 2 | 0 | 2 |
| 2022-03-29 | 0 | 2 | 3 | 1 | 0 | 4 |
| 2022-03-30 | 0 | 6 | 4 | 0 | 2 | 1 |
| 2022-03-31 | 0 | 4 | 0 | 0 | 5 | 3 |
| 2022-04-01 | 0 | 9 | 5 | 1 | 0 | 0 |
| 2022-04-02 | 0 | 0 | 3 | 3 | 3 | 2 |
| 2022-04-03 | 0 | 1 | 4 | 3 | 1 | 0 |
| 2022-04-04 | 0 | 6 | 3 | 0 | 4 | 4 |
| 2022-04-05 | 0 | 4 | 0 | 1 | 1 | 3 |
| 2022-04-06 | 0 | 6 | 3 | 3 | 0 | 3 |
| 2022-04-07 | 0 | 4 | 0 | 1 | 5 | 0 |
| 2022-04-08 | 0 | 8 | 3 | 1 | 5 | 2 |
| 2022-04-09 | 0 | 7 | 0 | 1 | 5 | 2 |
| 2022-04-10 | 0 | 9 | 5 | 2 | 2 | 4 |
| 2022-04-11 | 0 | 9 | 5 | 0 | 4 | 2 |
| 2022-04-12 | 0 | 8 | 4 | 3 | 2 | 1 |
| 2022-04-13 | 0 | 9 | 1 | 1 | 3 | 0 |
| 2022-04-14 | 0 | 5 | 2 | 2 | 4 | 1 |
| 2022-04-15 | 0 | 6 | 5 | 3 | 5 | 2 |
| 2022-04-16 | 0 | 0 | 0 | 1 | 2 | 2 |
| 2022-04-17 | 0 | 9 | 2 | 2 | 4 | 2 |
| 2022-04-18 | 0 | 5 | 1 | 0 | 1 | 2 |
| 2022-04-19 | 0 | 8 | 2 | 0 | 3 | 2 |
| 2022-04-20 | 0 | 5 | 4 | 1 | 1 | 2 |
| 2022-04-21 | 0 | 8 | 3 | 2 | 4 | 4 |
| 2022-04-22 | 0 | 5 | 4 | 2 | 3 | 1 |
| 2022-04-23 | 0 | 6 | 1 | 2 | 2 | 1 |
| 2022-04-24 | 0 | 9 | 3 | 1 | 2 | 1 |
| 2022-04-25 | 0 | 2 | 3 | 1 | 5 | 2 |
| 2022-04-26 | 0 | 8 | 3 | 2 | 3 | 0 |
| 2022-04-27 | 0 | 3 | 0 | 2 | 2 | 4 |
| 2022-04-28 | 0 | 0 | 1 | 0 | 0 | 4 |
| 2022-04-29 | 0 | 2 | 0 | 0 | 0 | 2 |
| 2022-04-30 | 0 | 0 | 4 | 3 | 0 | 0 |
| 2022-05-01 | 0 | 7 | 5 | 2 | 3 | 3 |
| 2022-05-02 | 0 | 1 | 4 | 2 | 3 | 2 |
| 2022-05-03 | 0 | 2 | 3 | 1 | 3 | 4 |
| 2022-05-04 | 0 | 8 | 0 | 3 | 3 | 0 |
| 2022-05-05 | 0 | 2 | 5 | 2 | 1 | 4 |
| 2022-05-06 | 0 | 2 | 4 | 0 | 4 | 3 |
| 2022-05-07 | 0 | 2 | 3 | 1 | 2 | 4 |
| 2022-05-08 | 0 | 9 | 2 | 1 | 4 | 3 |
| 2022-05-09 | 0 | 8 | 1 | 2 | 3 | 4 |
| 2022-05-10 | 0 | 5 | 5 | 0 | 0 | 2 |
| 2022-05-11 | 0 | 6 | 2 | 1 | 3 | 4 |
| 2022-05-12 | 0 | 0 | 2 | 0 | 2 | 2 |
| 2022-05-13 | 0 | 2 | 4 | 0 | 4 | 2 |
| 2022-05-14 | 0 | 1 | 1 | 1 | 1 | 0 |
| 2022-05-15 | 0 | 2 | 3 | 3 | 4 | 4 |
| 2022-05-16 | 0 | 8 | 3 | 0 | 0 | 3 |
| 2022-05-17 | 0 | 4 | 2 | 3 | 3 | 4 |
| 2022-05-18 | 0 | 1 | 4 | 2 | 1 | 0 |
| 2022-05-19 | 0 | 0 | 5 | 0 | 5 | 1 |
| 2022-05-20 | 0 | 8 | 3 | 1 | 3 | 0 |
| 2022-05-21 | 0 | 9 | 5 | 3 | 1 | 2 |
| 2022-05-22 | 0 | 4 | 2 | 0 | 0 | 2 |
| 2022-05-23 | 0 | 9 | 1 | 1 | 1 | 2 |
| 2022-05-24 | 0 | 8 | 0 | 1 | 3 | 3 |
| 2022-05-25 | 0 | 9 | 1 | 2 | 5 | 0 |
| 2022-05-26 | 0 | 0 | 2 | 0 | 1 | 4 |
| 2022-05-27 | 0 | 6 | 5 | 0 | 5 | 4 |
| 2022-05-28 | 0 | 5 | 1 | 2 | 4 | 3 |
| 2022-05-29 | 0 | 0 | 0 | 2 | 5 | 4 |
| 2022-05-30 | 0 | 9 | 4 | 1 | 3 | 2 |
| 2022-05-31 | 0 | 3 | 5 | 3 | 5 | 4 |
| 2022-06-01 | 0 | 6 | 1 | 0 | 5 | 4 |
| 2022-06-02 | 0 | 6 | 4 | 1 | 1 | 3 |
| 2022-06-03 | 0 | 7 | 2 | 3 | 1 | 2 |
| 2022-06-04 | 0 | 2 | 1 | 3 | 3 | 1 |
| 2022-06-05 | 0 | 4 | 4 | 3 | 0 | 1 |
| 2022-06-06 | 0 | 6 | 4 | 3 | 4 | 2 |
| 2022-06-07 | 0 | 2 | 1 | 0 | 0 | 0 |
| 2022-06-08 | 0 | 6 | 0 | 2 | 3 | 2 |
| 2022-06-09 | 0 | 5 | 1 | 1 | 4 | 3 |
| 2022-06-10 | 0 | 2 | 1 | 2 | 1 | 0 |
| 2022-06-11 | 0 | 3 | 4 | 0 | 4 | 2 |
| 2022-06-12 | 0 | 0 | 0 | 1 | 1 | 2 |
| 2022-06-13 | 0 | 2 | 1 | 1 | 2 | 4 |
| 2022-06-14 | 0 | 3 | 5 | 3 | 0 | 4 |
| 2022-06-15 | 0 | 3 | 5 | 3 | 3 | 2 |
| 2022-06-16 | 0 | 7 | 1 | 2 | 0 | 3 |
| 2022-06-17 | 0 | 4 | 1 | 3 | 1 | 2 |
| 2022-06-18 | 0 | 9 | 4 | 3 | 1 | 0 |
| 2022-06-19 | 0 | 2 | 0 | 1 | 0 | 4 |
| 2022-06-20 | 0 | 8 | 1 | 3 | 5 | 2 |
| 2022-06-21 | 0 | 2 | 4 | 3 | 1 | 1 |
| 2022-06-22 | 0 | 4 | 0 | 3 | 4 | 1 |
| 2022-06-23 | 0 | 9 | 2 | 2 | 1 | 4 |
| 2022-06-24 | 0 | 4 | 3 | 3 | 5 | 3 |
| 2022-06-25 | 0 | 8 | 2 | 3 | 0 | 0 |
| 2022-06-26 | 0 | 6 | 3 | 0 | 4 | 3 |
| 2022-06-27 | 0 | 4 | 5 | 3 | 4 | 4 |
| 2022-06-28 | 0 | 1 | 2 | 2 | 5 | 4 |
| 2022-06-29 | 0 | 5 | 3 | 2 | 0 | 4 |
| 2022-06-30 | 0 | 2 | 5 | 3 | 3 | 3 |

The screen dialog (Available Rooms 2021-10-9.dat):

|  |
| --- |
| Evergreen Laurel Hotel Online Reservation System  1 - Making Reservation  2 - Reservation Inquiry  3 - End  Enter your choice: (1~3): 1  Please Input Check In Date  Month：  1. 2022-01  2. 2022-02  3. 2022-03  4. 2022-04  5. 2022-05  6. 2022-06  ? 4  Day (1 ~ 30)：1  Please Input Check Out Date  Month：  4. 2022-04  5. 2022-05  6. 2022-06  ? 4  Day (2 ~ 30)：5  Check in date: 2022-04-01  Check out date: 2022-04-05  The number of available rooms of each room type:  Date Superior Room Deluxe Room Deluxe Twin Room Superior Suite Deluxe Suite  2022-04-01 9 5 3 5 4  2022-04-02 9 5 3 5 4  2022-04-03 9 5 3 5 4  2022-04-04 9 5 3 5 4  Select Room Type：  1. Superior Room  2. Deluxe Room  3. Deluxe Twin Room  4. Superior Suite  5. Deluxe Suite  6. Give up  ? 3  Number of rooms ( 3 rooms available ): 2  ID Number：11  Name：aa  Mobile Phone：11  Your reservations:  Name Fare Mobile Room type Number of rooms Check in date Check out date  aa 50160 11 Deluxe Twin Room 2 2022-04-01 2022-04-05  1 - Making Reservation  2 - Reservation Inquiry  3 - End  Enter your choice: (1~3): 2  Enter Your ID Number：11  Name Fare Mobile Room type Number of rooms Check in date Check out date  aa 50160 11 Deluxe Twin Room 2 2022-04-01 2022-04-05  1 - Making Reservation  2 - Reservation Inquiry  3 - End  Enter your choice: (1~3): 3  請按任意鍵繼續 . . . |

Available Rooms 2021-10-9.dat

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 2021-10-09 | 0 | 0 | 2 | 2 | 5 | 0 |
| 2021-10-10 | 0 | 7 | 5 | 0 | 4 | 2 |
| 2021-10-11 | 0 | 0 | 2 | 2 | 3 | 2 |
| 2021-10-12 | 0 | 2 | 2 | 1 | 0 | 0 |
| 2021-10-13 | 0 | 9 | 2 | 3 | 0 | 3 |
| 2021-10-14 | 0 | 3 | 0 | 2 | 0 | 1 |
| 2021-10-15 | 0 | 0 | 5 | 1 | 5 | 2 |
| 2021-10-16 | 0 | 0 | 5 | 1 | 5 | 4 |
| 2021-10-17 | 0 | 3 | 5 | 3 | 3 | 2 |
| 2021-10-18 | 0 | 9 | 1 | 1 | 0 | 0 |
| 2021-10-19 | 0 | 4 | 1 | 3 | 4 | 1 |
| 2021-10-20 | 0 | 1 | 5 | 1 | 5 | 4 |
| 2021-10-21 | 0 | 0 | 2 | 2 | 5 | 0 |
| 2021-10-22 | 0 | 9 | 2 | 2 | 3 | 4 |
| 2021-10-23 | 0 | 3 | 3 | 1 | 2 | 4 |
| 2021-10-24 | 0 | 9 | 2 | 3 | 0 | 2 |
| 2021-10-25 | 0 | 7 | 3 | 1 | 2 | 3 |
| 2021-10-26 | 0 | 2 | 0 | 0 | 1 | 0 |
| 2021-10-27 | 0 | 1 | 3 | 1 | 1 | 4 |
| 2021-10-28 | 0 | 9 | 3 | 2 | 2 | 1 |
| 2021-10-29 | 0 | 7 | 1 | 0 | 1 | 4 |
| 2021-10-30 | 0 | 4 | 0 | 0 | 2 | 1 |
| 2021-10-31 | 0 | 5 | 3 | 0 | 4 | 1 |
| 2021-11-01 | 0 | 0 | 5 | 3 | 2 | 4 |
| 2021-11-02 | 0 | 0 | 3 | 0 | 5 | 1 |
| 2021-11-03 | 0 | 7 | 3 | 3 | 4 | 3 |
| 2021-11-04 | 0 | 1 | 0 | 3 | 1 | 0 |
| 2021-11-05 | 0 | 2 | 1 | 0 | 3 | 3 |
| 2021-11-06 | 0 | 5 | 4 | 1 | 3 | 0 |
| 2021-11-07 | 0 | 7 | 5 | 1 | 5 | 1 |
| 2021-11-08 | 0 | 8 | 4 | 0 | 3 | 3 |
| 2021-11-09 | 0 | 6 | 4 | 1 | 0 | 3 |
| 2021-11-10 | 0 | 0 | 2 | 0 | 1 | 1 |
| 2021-11-11 | 0 | 4 | 5 | 0 | 4 | 4 |
| 2021-11-12 | 0 | 6 | 1 | 3 | 0 | 4 |
| 2021-11-13 | 0 | 8 | 4 | 3 | 5 | 0 |
| 2021-11-14 | 0 | 2 | 4 | 3 | 0 | 2 |
| 2021-11-15 | 0 | 1 | 0 | 2 | 2 | 0 |
| 2021-11-16 | 0 | 2 | 3 | 1 | 0 | 2 |
| 2021-11-17 | 0 | 0 | 0 | 2 | 1 | 4 |
| 2021-11-18 | 0 | 9 | 4 | 0 | 4 | 3 |
| 2021-11-19 | 0 | 8 | 5 | 3 | 0 | 1 |
| 2021-11-20 | 0 | 5 | 3 | 0 | 2 | 4 |
| 2021-11-21 | 0 | 6 | 3 | 3 | 5 | 4 |
| 2021-11-22 | 0 | 3 | 5 | 3 | 3 | 0 |
| 2021-11-23 | 0 | 0 | 4 | 1 | 5 | 1 |
| 2021-11-24 | 0 | 3 | 3 | 3 | 4 | 4 |
| 2021-11-25 | 0 | 3 | 1 | 2 | 1 | 3 |
| 2021-11-26 | 0 | 9 | 3 | 3 | 1 | 2 |
| 2021-11-27 | 0 | 2 | 1 | 1 | 3 | 4 |
| 2021-11-28 | 0 | 2 | 2 | 0 | 5 | 2 |
| 2021-11-29 | 0 | 6 | 3 | 1 | 3 | 3 |
| 2021-11-30 | 0 | 5 | 3 | 3 | 0 | 3 |
| 2021-12-01 | 0 | 8 | 3 | 2 | 1 | 3 |
| 2021-12-02 | 0 | 4 | 2 | 3 | 2 | 2 |
| 2021-12-03 | 0 | 4 | 0 | 1 | 5 | 4 |
| 2021-12-04 | 0 | 4 | 1 | 2 | 0 | 3 |
| 2021-12-05 | 0 | 8 | 0 | 3 | 0 | 1 |
| 2021-12-06 | 0 | 7 | 4 | 1 | 4 | 3 |
| 2021-12-07 | 0 | 7 | 5 | 0 | 1 | 4 |
| 2021-12-08 | 0 | 0 | 5 | 1 | 3 | 2 |
| 2021-12-09 | 0 | 9 | 4 | 3 | 4 | 3 |
| 2021-12-10 | 0 | 1 | 5 | 2 | 1 | 2 |
| 2021-12-11 | 0 | 8 | 5 | 3 | 5 | 3 |
| 2021-12-12 | 0 | 8 | 5 | 0 | 1 | 4 |
| 2021-12-13 | 0 | 7 | 1 | 0 | 4 | 2 |
| 2021-12-14 | 0 | 6 | 2 | 0 | 0 | 3 |
| 2021-12-15 | 0 | 4 | 5 | 1 | 4 | 0 |
| 2021-12-16 | 0 | 7 | 2 | 3 | 1 | 3 |
| 2021-12-17 | 0 | 3 | 5 | 0 | 5 | 0 |
| 2021-12-18 | 0 | 9 | 0 | 1 | 5 | 2 |
| 2021-12-19 | 0 | 2 | 3 | 0 | 0 | 4 |
| 2021-12-20 | 0 | 7 | 4 | 1 | 3 | 3 |
| 2021-12-21 | 0 | 5 | 2 | 3 | 5 | 4 |
| 2021-12-22 | 0 | 5 | 4 | 1 | 1 | 1 |
| 2021-12-23 | 0 | 2 | 1 | 3 | 1 | 3 |
| 2021-12-24 | 0 | 9 | 5 | 1 | 3 | 1 |
| 2021-12-25 | 0 | 2 | 0 | 0 | 5 | 1 |
| 2021-12-26 | 0 | 2 | 0 | 3 | 0 | 1 |
| 2021-12-27 | 0 | 0 | 2 | 0 | 4 | 2 |
| 2021-12-28 | 0 | 1 | 2 | 3 | 3 | 4 |
| 2021-12-29 | 0 | 9 | 2 | 2 | 3 | 3 |
| 2021-12-30 | 0 | 0 | 2 | 1 | 4 | 1 |
| 2021-12-31 | 0 | 3 | 3 | 3 | 5 | 1 |
| 2022-01-01 | 0 | 7 | 2 | 2 | 0 | 1 |
| 2022-01-02 | 0 | 2 | 4 | 1 | 3 | 2 |
| 2022-01-03 | 0 | 4 | 1 | 2 | 3 | 0 |
| 2022-01-04 | 0 | 7 | 0 | 0 | 3 | 3 |
| 2022-01-05 | 0 | 9 | 0 | 1 | 2 | 0 |
| 2022-01-06 | 0 | 7 | 3 | 2 | 4 | 1 |
| 2022-01-07 | 0 | 5 | 5 | 1 | 3 | 4 |
| 2022-01-08 | 0 | 6 | 2 | 1 | 2 | 0 |
| 2022-01-09 | 0 | 5 | 1 | 3 | 0 | 3 |
| 2022-01-10 | 0 | 4 | 2 | 0 | 1 | 3 |
| 2022-01-11 | 0 | 3 | 3 | 3 | 1 | 0 |
| 2022-01-12 | 0 | 1 | 0 | 3 | 0 | 0 |
| 2022-01-13 | 0 | 8 | 2 | 3 | 4 | 2 |
| 2022-01-14 | 0 | 8 | 5 | 1 | 2 | 0 |
| 2022-01-15 | 0 | 0 | 2 | 0 | 2 | 0 |
| 2022-01-16 | 0 | 7 | 1 | 2 | 0 | 2 |
| 2022-01-17 | 0 | 3 | 0 | 2 | 1 | 1 |
| 2022-01-18 | 0 | 6 | 4 | 3 | 4 | 1 |
| 2022-01-19 | 0 | 7 | 2 | 1 | 2 | 2 |
| 2022-01-20 | 0 | 0 | 4 | 2 | 2 | 2 |
| 2022-01-21 | 0 | 0 | 2 | 3 | 3 | 1 |
| 2022-01-22 | 0 | 8 | 5 | 2 | 3 | 3 |
| 2022-01-23 | 0 | 2 | 1 | 1 | 3 | 2 |
| 2022-01-24 | 0 | 7 | 1 | 0 | 1 | 2 |
| 2022-01-25 | 0 | 5 | 2 | 1 | 4 | 2 |
| 2022-01-26 | 0 | 2 | 0 | 2 | 5 | 4 |
| 2022-01-27 | 0 | 7 | 5 | 2 | 5 | 0 |
| 2022-01-28 | 0 | 9 | 0 | 0 | 3 | 4 |
| 2022-01-29 | 0 | 8 | 1 | 3 | 1 | 4 |
| 2022-01-30 | 0 | 9 | 3 | 0 | 4 | 0 |
| 2022-01-31 | 0 | 9 | 0 | 2 | 2 | 2 |
| 2022-02-01 | 0 | 3 | 3 | 1 | 2 | 0 |
| 2022-02-02 | 0 | 1 | 1 | 1 | 3 | 0 |
| 2022-02-03 | 0 | 0 | 1 | 2 | 0 | 2 |
| 2022-02-04 | 0 | 9 | 1 | 2 | 5 | 0 |
| 2022-02-05 | 0 | 7 | 5 | 3 | 4 | 1 |
| 2022-02-06 | 0 | 9 | 3 | 0 | 5 | 2 |
| 2022-02-07 | 0 | 8 | 4 | 0 | 5 | 0 |
| 2022-02-08 | 0 | 6 | 1 | 2 | 3 | 0 |
| 2022-02-09 | 0 | 8 | 3 | 3 | 0 | 0 |
| 2022-02-10 | 0 | 4 | 2 | 3 | 1 | 0 |
| 2022-02-11 | 0 | 2 | 5 | 1 | 2 | 4 |
| 2022-02-12 | 0 | 3 | 4 | 2 | 1 | 4 |
| 2022-02-13 | 0 | 5 | 1 | 1 | 1 | 1 |
| 2022-02-14 | 0 | 1 | 3 | 1 | 5 | 0 |
| 2022-02-15 | 0 | 1 | 5 | 2 | 3 | 3 |
| 2022-02-16 | 0 | 2 | 0 | 3 | 2 | 2 |
| 2022-02-17 | 0 | 4 | 2 | 1 | 0 | 0 |
| 2022-02-18 | 0 | 3 | 1 | 2 | 4 | 4 |
| 2022-02-19 | 0 | 8 | 3 | 0 | 1 | 0 |
| 2022-02-20 | 0 | 1 | 2 | 2 | 5 | 0 |
| 2022-02-21 | 0 | 5 | 1 | 3 | 1 | 2 |
| 2022-02-22 | 0 | 5 | 4 | 2 | 1 | 2 |
| 2022-02-23 | 0 | 5 | 4 | 0 | 4 | 0 |
| 2022-02-24 | 0 | 6 | 3 | 1 | 0 | 0 |
| 2022-02-25 | 0 | 4 | 2 | 1 | 4 | 0 |
| 2022-02-26 | 0 | 6 | 4 | 2 | 3 | 0 |
| 2022-02-27 | 0 | 8 | 1 | 3 | 1 | 1 |
| 2022-02-28 | 0 | 4 | 5 | 3 | 2 | 2 |
| 2022-03-01 | 0 | 9 | 2 | 2 | 1 | 1 |
| 2022-03-02 | 0 | 8 | 0 | 1 | 3 | 4 |
| 2022-03-03 | 0 | 9 | 4 | 3 | 1 | 3 |
| 2022-03-04 | 0 | 7 | 2 | 2 | 2 | 3 |
| 2022-03-05 | 0 | 6 | 0 | 1 | 3 | 3 |
| 2022-03-06 | 0 | 6 | 2 | 3 | 0 | 3 |
| 2022-03-07 | 0 | 0 | 5 | 1 | 3 | 0 |
| 2022-03-08 | 0 | 5 | 3 | 2 | 4 | 4 |
| 2022-03-09 | 0 | 1 | 4 | 1 | 4 | 1 |
| 2022-03-10 | 0 | 0 | 0 | 1 | 5 | 0 |
| 2022-03-11 | 0 | 9 | 5 | 0 | 5 | 0 |
| 2022-03-12 | 0 | 5 | 3 | 0 | 1 | 4 |
| 2022-03-13 | 0 | 6 | 2 | 3 | 4 | 0 |
| 2022-03-14 | 0 | 7 | 4 | 0 | 0 | 2 |
| 2022-03-15 | 0 | 7 | 0 | 1 | 5 | 0 |
| 2022-03-16 | 0 | 0 | 5 | 3 | 4 | 0 |
| 2022-03-17 | 0 | 9 | 5 | 1 | 1 | 0 |
| 2022-03-18 | 0 | 2 | 1 | 1 | 2 | 4 |
| 2022-03-19 | 0 | 0 | 0 | 0 | 4 | 0 |
| 2022-03-20 | 0 | 9 | 1 | 2 | 3 | 0 |
| 2022-03-21 | 0 | 3 | 2 | 0 | 4 | 4 |
| 2022-03-22 | 0 | 7 | 5 | 1 | 3 | 4 |
| 2022-03-23 | 0 | 3 | 2 | 2 | 1 | 1 |
| 2022-03-24 | 0 | 5 | 0 | 3 | 1 | 0 |
| 2022-03-25 | 0 | 4 | 5 | 1 | 2 | 1 |
| 2022-03-26 | 0 | 2 | 1 | 1 | 1 | 4 |
| 2022-03-27 | 0 | 0 | 1 | 0 | 0 | 0 |
| 2022-03-28 | 0 | 4 | 4 | 3 | 3 | 3 |
| 2022-03-29 | 0 | 8 | 2 | 0 | 0 | 3 |
| 2022-03-30 | 0 | 8 | 4 | 2 | 3 | 0 |
| 2022-03-31 | 0 | 8 | 5 | 0 | 3 | 2 |

The screen dialog (Available Rooms 2021-7-11.dat):

|  |
| --- |
| Evergreen Laurel Hotel Online Reservation System  1 - Making Reservation  2 - Reservation Inquiry  3 - End  Enter your choice: (1~3): 1  Please Input Check In Date  Month：  1. 2022-01  2. 2022-02  3. 2022-03  4. 2022-04  5. 2022-05  6. 2022-06  ? 1  Day (9 ~ 31)：9  Please Input Check Out Date  Month：  1. 2022-01  2. 2022-02  3. 2022-03  4. 2022-04  5. 2022-05  6. 2022-06  ? 1  Day (10 ~ 31)：11  Check in date: 2022-01-09  Check out date: 2022-01-11  The number of available rooms of each room type:  Date Superior Room Deluxe Room Deluxe Twin Room Superior Suite Deluxe Suite  2022-01-09 9 5 3 5 4  2022-01-10 9 5 3 5 4  Select Room Type：  1. Superior Room  2. Deluxe Room  3. Deluxe Twin Room  4. Superior Suite  5. Deluxe Suite  6. Give up  ? 5  Number of rooms ( 4 rooms available ): 2  ID Number：11  Name：aa  Mobile Phone：11  Your reservations:  Name Fare Mobile Room type Number of rooms Check in date Check out date  aa 33880 11 Deluxe Suite 2 2022-01-09 2022-01-11  1 - Making Reservation  2 - Reservation Inquiry  3 - End  Enter your choice: (1~3): 2  Enter Your ID Number：11  Name Fare Mobile Room type Number of rooms Check in date Check out date  aa 33880 11 Deluxe Suite 2 2022-01-09 2022-01-11  1 - Making Reservation  2 - Reservation Inquiry  3 - End  Enter your choice: (1~3): 3  請按任意鍵繼續 . . . |

Available Rooms 2021-7-11.dat

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 2021-07-11 | 0 | 4 | 2 | 2 | 3 | 0 |
| 2021-07-12 | 0 | 5 | 5 | 0 | 4 | 3 |
| 2021-07-13 | 0 | 3 | 1 | 1 | 0 | 4 |
| 2021-07-14 | 0 | 2 | 5 | 3 | 3 | 1 |
| 2021-07-15 | 0 | 7 | 1 | 2 | 0 | 2 |
| 2021-07-16 | 0 | 1 | 2 | 1 | 1 | 4 |
| 2021-07-17 | 0 | 5 | 2 | 3 | 3 | 2 |
| 2021-07-18 | 0 | 1 | 2 | 1 | 1 | 0 |
| 2021-07-19 | 0 | 9 | 4 | 2 | 1 | 0 |
| 2021-07-20 | 0 | 6 | 0 | 1 | 2 | 2 |
| 2021-07-21 | 0 | 3 | 5 | 2 | 1 | 1 |
| 2021-07-22 | 0 | 1 | 4 | 3 | 1 | 3 |
| 2021-07-23 | 0 | 4 | 0 | 3 | 1 | 0 |
| 2021-07-24 | 0 | 1 | 5 | 3 | 1 | 4 |
| 2021-07-25 | 0 | 1 | 1 | 0 | 0 | 4 |
| 2021-07-26 | 0 | 7 | 4 | 1 | 5 | 0 |
| 2021-07-27 | 0 | 5 | 5 | 1 | 2 | 3 |
| 2021-07-28 | 0 | 3 | 4 | 1 | 1 | 0 |
| 2021-07-29 | 0 | 6 | 0 | 0 | 3 | 4 |
| 2021-07-30 | 0 | 2 | 5 | 2 | 1 | 1 |
| 2021-07-31 | 0 | 1 | 5 | 1 | 4 | 0 |
| 2021-08-01 | 0 | 9 | 2 | 0 | 1 | 2 |
| 2021-08-02 | 0 | 9 | 5 | 0 | 1 | 2 |
| 2021-08-03 | 0 | 7 | 2 | 2 | 4 | 3 |
| 2021-08-04 | 0 | 7 | 0 | 2 | 3 | 2 |
| 2021-08-05 | 0 | 9 | 3 | 0 | 1 | 2 |
| 2021-08-06 | 0 | 6 | 2 | 1 | 4 | 3 |
| 2021-08-07 | 0 | 9 | 3 | 0 | 4 | 4 |
| 2021-08-08 | 0 | 1 | 1 | 1 | 1 | 2 |
| 2021-08-09 | 0 | 6 | 0 | 0 | 3 | 4 |
| 2021-08-10 | 0 | 7 | 5 | 1 | 5 | 0 |
| 2021-08-11 | 0 | 7 | 5 | 0 | 2 | 3 |
| 2021-08-12 | 0 | 0 | 2 | 1 | 0 | 2 |
| 2021-08-13 | 0 | 1 | 4 | 0 | 0 | 3 |
| 2021-08-14 | 0 | 1 | 0 | 0 | 3 | 2 |
| 2021-08-15 | 0 | 1 | 1 | 0 | 1 | 0 |
| 2021-08-16 | 0 | 1 | 0 | 2 | 2 | 1 |
| 2021-08-17 | 0 | 4 | 3 | 2 | 3 | 3 |
| 2021-08-18 | 0 | 7 | 5 | 3 | 0 | 0 |
| 2021-08-19 | 0 | 1 | 0 | 0 | 5 | 2 |
| 2021-08-20 | 0 | 5 | 4 | 2 | 3 | 2 |
| 2021-08-21 | 0 | 3 | 0 | 3 | 1 | 2 |
| 2021-08-22 | 0 | 5 | 0 | 1 | 1 | 3 |
| 2021-08-23 | 0 | 5 | 2 | 0 | 3 | 2 |
| 2021-08-24 | 0 | 0 | 5 | 3 | 0 | 3 |
| 2021-08-25 | 0 | 4 | 2 | 3 | 0 | 4 |
| 2021-08-26 | 0 | 4 | 4 | 3 | 3 | 0 |
| 2021-08-27 | 0 | 1 | 3 | 2 | 2 | 0 |
| 2021-08-28 | 0 | 8 | 4 | 3 | 3 | 0 |
| 2021-08-29 | 0 | 8 | 3 | 3 | 1 | 1 |
| 2021-08-30 | 0 | 2 | 3 | 3 | 5 | 1 |
| 2021-08-31 | 0 | 8 | 3 | 1 | 4 | 4 |
| 2021-09-01 | 0 | 4 | 5 | 0 | 3 | 0 |
| 2021-09-02 | 0 | 6 | 5 | 1 | 1 | 0 |
| 2021-09-03 | 0 | 6 | 0 | 0 | 5 | 3 |
| 2021-09-04 | 0 | 7 | 3 | 0 | 0 | 3 |
| 2021-09-05 | 0 | 0 | 1 | 1 | 2 | 0 |
| 2021-09-06 | 0 | 6 | 4 | 3 | 4 | 0 |
| 2021-09-07 | 0 | 7 | 1 | 0 | 4 | 3 |
| 2021-09-08 | 0 | 2 | 4 | 2 | 1 | 2 |
| 2021-09-09 | 0 | 7 | 3 | 1 | 5 | 1 |
| 2021-09-10 | 0 | 4 | 3 | 0 | 1 | 3 |
| 2021-09-11 | 0 | 9 | 4 | 1 | 2 | 3 |
| 2021-09-12 | 0 | 2 | 0 | 2 | 1 | 1 |
| 2021-09-13 | 0 | 3 | 1 | 0 | 1 | 0 |
| 2021-09-14 | 0 | 6 | 5 | 1 | 2 | 4 |
| 2021-09-15 | 0 | 3 | 0 | 1 | 0 | 0 |
| 2021-09-16 | 0 | 7 | 3 | 2 | 4 | 4 |
| 2021-09-17 | 0 | 7 | 1 | 3 | 0 | 0 |
| 2021-09-18 | 0 | 1 | 0 | 0 | 1 | 1 |
| 2021-09-19 | 0 | 0 | 0 | 0 | 5 | 4 |
| 2021-09-20 | 0 | 7 | 5 | 0 | 2 | 1 |
| 2021-09-21 | 0 | 6 | 5 | 0 | 5 | 2 |
| 2021-09-22 | 0 | 2 | 5 | 2 | 0 | 2 |
| 2021-09-23 | 0 | 2 | 5 | 3 | 1 | 0 |
| 2021-09-24 | 0 | 3 | 2 | 3 | 2 | 1 |
| 2021-09-25 | 0 | 6 | 3 | 1 | 0 | 3 |
| 2021-09-26 | 0 | 3 | 2 | 2 | 5 | 3 |
| 2021-09-27 | 0 | 1 | 4 | 3 | 4 | 0 |
| 2021-09-28 | 0 | 4 | 5 | 3 | 0 | 3 |
| 2021-09-29 | 0 | 3 | 4 | 0 | 1 | 0 |
| 2021-09-30 | 0 | 9 | 1 | 0 | 5 | 0 |
| 2021-10-01 | 0 | 9 | 4 | 3 | 1 | 2 |
| 2021-10-02 | 0 | 2 | 3 | 0 | 5 | 0 |
| 2021-10-03 | 0 | 9 | 2 | 0 | 2 | 1 |
| 2021-10-04 | 0 | 7 | 4 | 2 | 3 | 4 |
| 2021-10-05 | 0 | 4 | 3 | 2 | 3 | 2 |
| 2021-10-06 | 0 | 6 | 0 | 0 | 5 | 2 |
| 2021-10-07 | 0 | 2 | 0 | 2 | 0 | 1 |
| 2021-10-08 | 0 | 0 | 2 | 1 | 4 | 3 |
| 2021-10-09 | 0 | 8 | 1 | 3 | 5 | 2 |
| 2021-10-10 | 0 | 6 | 5 | 0 | 2 | 4 |
| 2021-10-11 | 0 | 9 | 3 | 0 | 4 | 2 |
| 2021-10-12 | 0 | 4 | 4 | 0 | 0 | 4 |
| 2021-10-13 | 0 | 1 | 1 | 2 | 5 | 2 |
| 2021-10-14 | 0 | 5 | 5 | 3 | 3 | 3 |
| 2021-10-15 | 0 | 2 | 0 | 1 | 0 | 2 |
| 2021-10-16 | 0 | 6 | 3 | 1 | 5 | 3 |
| 2021-10-17 | 0 | 1 | 4 | 3 | 5 | 4 |
| 2021-10-18 | 0 | 3 | 4 | 0 | 4 | 1 |
| 2021-10-19 | 0 | 3 | 1 | 0 | 0 | 4 |
| 2021-10-20 | 0 | 0 | 3 | 3 | 5 | 2 |
| 2021-10-21 | 0 | 9 | 3 | 1 | 4 | 3 |
| 2021-10-22 | 0 | 2 | 2 | 2 | 4 | 3 |
| 2021-10-23 | 0 | 7 | 5 | 2 | 1 | 2 |
| 2021-10-24 | 0 | 5 | 3 | 0 | 4 | 2 |
| 2021-10-25 | 0 | 8 | 0 | 1 | 2 | 4 |
| 2021-10-26 | 0 | 7 | 1 | 1 | 2 | 4 |
| 2021-10-27 | 0 | 4 | 5 | 1 | 4 | 0 |
| 2021-10-28 | 0 | 2 | 1 | 3 | 1 | 1 |
| 2021-10-29 | 0 | 6 | 3 | 3 | 1 | 3 |
| 2021-10-30 | 0 | 4 | 2 | 3 | 1 | 0 |
| 2021-10-31 | 0 | 8 | 4 | 0 | 4 | 2 |
| 2021-11-01 | 0 | 9 | 3 | 1 | 4 | 2 |
| 2021-11-02 | 0 | 1 | 4 | 1 | 5 | 3 |
| 2021-11-03 | 0 | 4 | 4 | 3 | 2 | 1 |
| 2021-11-04 | 0 | 3 | 5 | 0 | 1 | 1 |
| 2021-11-05 | 0 | 3 | 2 | 1 | 0 | 1 |
| 2021-11-06 | 0 | 7 | 1 | 3 | 3 | 0 |
| 2021-11-07 | 0 | 7 | 4 | 1 | 0 | 0 |
| 2021-11-08 | 0 | 9 | 2 | 0 | 4 | 0 |
| 2021-11-09 | 0 | 7 | 4 | 0 | 4 | 4 |
| 2021-11-10 | 0 | 9 | 4 | 2 | 4 | 1 |
| 2021-11-11 | 0 | 1 | 0 | 3 | 2 | 0 |
| 2021-11-12 | 0 | 2 | 0 | 0 | 4 | 3 |
| 2021-11-13 | 0 | 6 | 3 | 1 | 5 | 3 |
| 2021-11-14 | 0 | 5 | 5 | 0 | 2 | 3 |
| 2021-11-15 | 0 | 6 | 2 | 0 | 0 | 4 |
| 2021-11-16 | 0 | 4 | 2 | 1 | 5 | 1 |
| 2021-11-17 | 0 | 4 | 4 | 1 | 4 | 2 |
| 2021-11-18 | 0 | 5 | 0 | 3 | 5 | 0 |
| 2021-11-19 | 0 | 8 | 1 | 2 | 0 | 3 |
| 2021-11-20 | 0 | 2 | 0 | 1 | 4 | 2 |
| 2021-11-21 | 0 | 6 | 2 | 3 | 0 | 2 |
| 2021-11-22 | 0 | 0 | 1 | 0 | 1 | 4 |
| 2021-11-23 | 0 | 0 | 5 | 0 | 0 | 0 |
| 2021-11-24 | 0 | 6 | 4 | 2 | 1 | 2 |
| 2021-11-25 | 0 | 3 | 5 | 3 | 3 | 0 |
| 2021-11-26 | 0 | 9 | 5 | 3 | 2 | 1 |
| 2021-11-27 | 0 | 0 | 5 | 0 | 4 | 2 |
| 2021-11-28 | 0 | 7 | 5 | 3 | 4 | 3 |
| 2021-11-29 | 0 | 1 | 5 | 3 | 2 | 1 |
| 2021-11-30 | 0 | 7 | 0 | 0 | 5 | 3 |
| 2021-12-01 | 0 | 5 | 0 | 2 | 1 | 3 |
| 2021-12-02 | 0 | 8 | 1 | 3 | 3 | 4 |
| 2021-12-03 | 0 | 0 | 4 | 2 | 2 | 3 |
| 2021-12-04 | 0 | 7 | 1 | 1 | 3 | 2 |
| 2021-12-05 | 0 | 6 | 4 | 3 | 4 | 4 |
| 2021-12-06 | 0 | 7 | 2 | 0 | 4 | 4 |
| 2021-12-07 | 0 | 5 | 5 | 0 | 5 | 3 |
| 2021-12-08 | 0 | 0 | 0 | 2 | 3 | 2 |
| 2021-12-09 | 0 | 3 | 2 | 0 | 1 | 0 |
| 2021-12-10 | 0 | 3 | 2 | 3 | 4 | 1 |
| 2021-12-11 | 0 | 4 | 1 | 1 | 5 | 2 |
| 2021-12-12 | 0 | 3 | 3 | 0 | 0 | 2 |
| 2021-12-13 | 0 | 5 | 1 | 1 | 5 | 2 |
| 2021-12-14 | 0 | 7 | 3 | 2 | 4 | 3 |
| 2021-12-15 | 0 | 3 | 2 | 2 | 1 | 2 |
| 2021-12-16 | 0 | 5 | 3 | 2 | 0 | 4 |
| 2021-12-17 | 0 | 2 | 4 | 0 | 2 | 0 |
| 2021-12-18 | 0 | 4 | 3 | 1 | 1 | 3 |
| 2021-12-19 | 0 | 7 | 2 | 1 | 2 | 0 |
| 2021-12-20 | 0 | 4 | 2 | 0 | 3 | 4 |
| 2021-12-21 | 0 | 2 | 3 | 1 | 2 | 3 |
| 2021-12-22 | 0 | 8 | 5 | 2 | 0 | 3 |
| 2021-12-23 | 0 | 8 | 1 | 0 | 0 | 1 |
| 2021-12-24 | 0 | 0 | 4 | 2 | 5 | 1 |
| 2021-12-25 | 0 | 8 | 2 | 0 | 4 | 4 |
| 2021-12-26 | 0 | 1 | 0 | 2 | 0 | 1 |
| 2021-12-27 | 0 | 1 | 5 | 0 | 2 | 0 |
| 2021-12-28 | 0 | 0 | 4 | 0 | 0 | 2 |
| 2021-12-29 | 0 | 3 | 4 | 2 | 0 | 4 |
| 2021-12-30 | 0 | 0 | 1 | 0 | 0 | 3 |
| 2021-12-31 | 0 | 9 | 4 | 3 | 1 | 1 |

The screen dialog (Available Rooms blank.dat):

|  |
| --- |
| Evergreen Laurel Hotel Online Reservation System  1 - Making Reservation  2 - Reservation Inquiry  3 - End  Enter your choice: (1~3): 1  Please Input Check In Date  Month：  1. 2022-01  2. 2022-02  3. 2022-03  4. 2022-04  5. 2022-05  6. 2022-06  ? 1  Day (9 ~ 31)：9  Please Input Check Out Date  Month：  1. 2022-01  2. 2022-02  3. 2022-03  4. 2022-04  5. 2022-05  6. 2022-06  ? 1  Day (10 ~ 31)：11  Check in date: 2022-01-09  Check out date: 2022-01-11  The number of available rooms of each room type:  Date Superior Room Deluxe Room Deluxe Twin Room Superior Suite Deluxe Suite  2022-01-09 9 5 3 5 4  2022-01-10 9 5 3 5 4  Select Room Type：  1. Superior Room  2. Deluxe Room  3. Deluxe Twin Room  4. Superior Suite  5. Deluxe Suite  6. Give up  ? 5  Number of rooms ( 4 rooms available ): 2  ID Number：11  Name：aa  Mobile Phone：11  Your reservations:  Name Fare Mobile Room type Number of rooms Check in date Check out date  aa 33880 11 Deluxe Suite 2 2022-01-09 2022-01-11  1 - Making Reservation  2 - Reservation Inquiry  3 - End  Enter your choice: (1~3): 2  Enter Your ID Number：11  Name Fare Mobile Room type Number of rooms Check in date Check out date  aa 33880 11 Deluxe Suite 2 2022-01-09 2022-01-11  1 - Making Reservation  2 - Reservation Inquiry  3 - End  Enter your choice: (1~3): 3  請按任意鍵繼續 . . . |

Grading rule

Output correct:

10 points loadReservations

loadAvailRooms

15 points initAvailRooms

15 points completeAvailRooms

20 points makeReservation

20 points inputDates

10 points compMinNumRooms

10 points saveAvailRooms

saveReservations

Output incorrect:

9 points loadReservations

loadAvailRooms

14 points initAvailRooms

14 points completeAvailRooms

18 points makeReservation

18 points inputDates

9 points compMinNumRooms

9 points saveAvailRooms

saveReservations