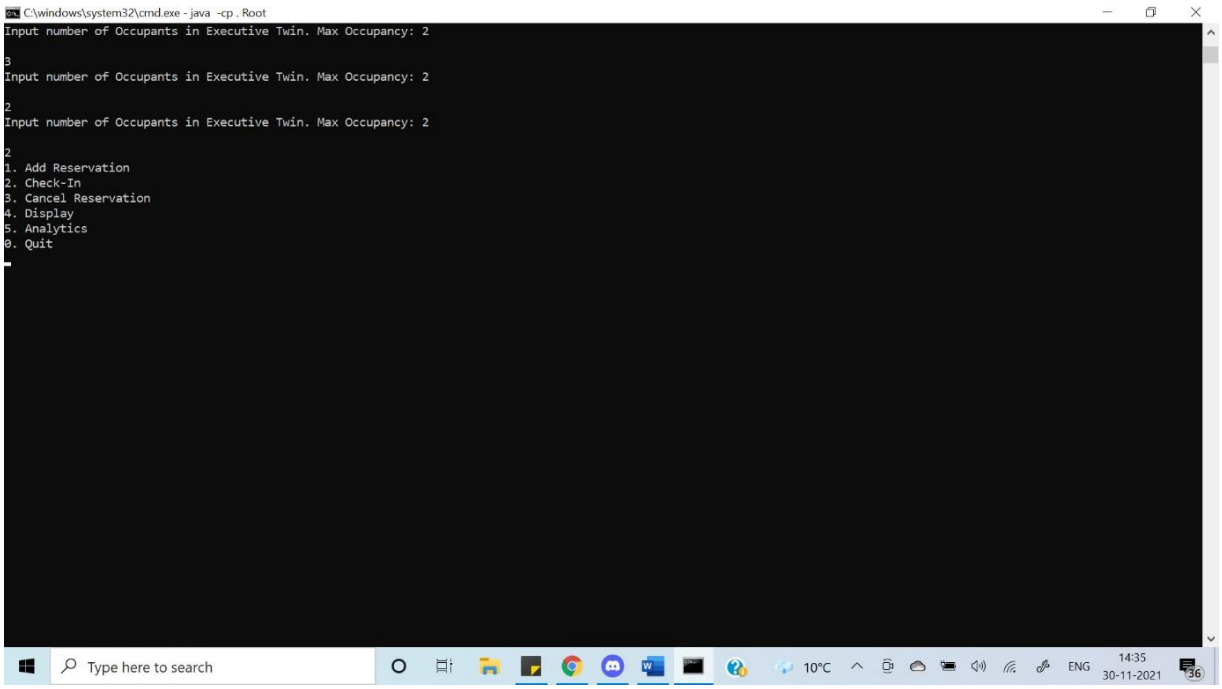
TESTING

Best Solutions have done extensive testing on the hotel reservation system it made for the L4 Group of hotels. Below are the test cases and evidence of them working. We have not performed any unit testing this is just command line testing in real scenario.

Test Case 1

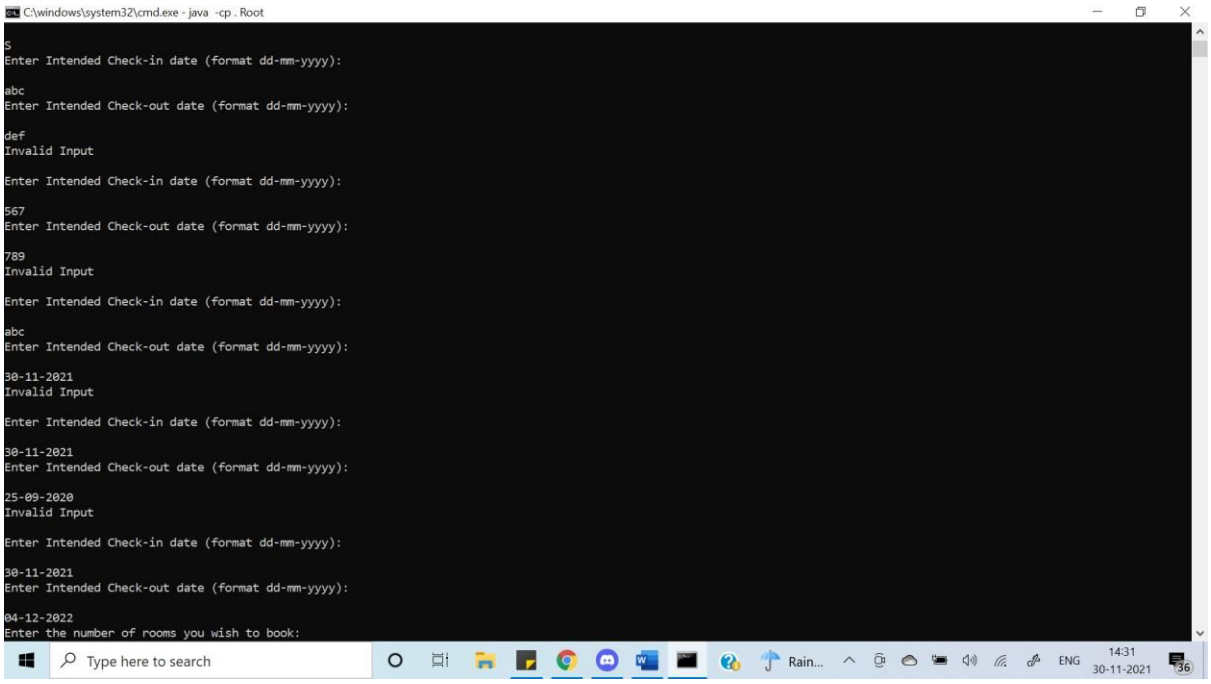
Add Reservation



Notice as nothing is printed after the Add Reservation command ends so the Reservation has been successfully added

Test Case 2

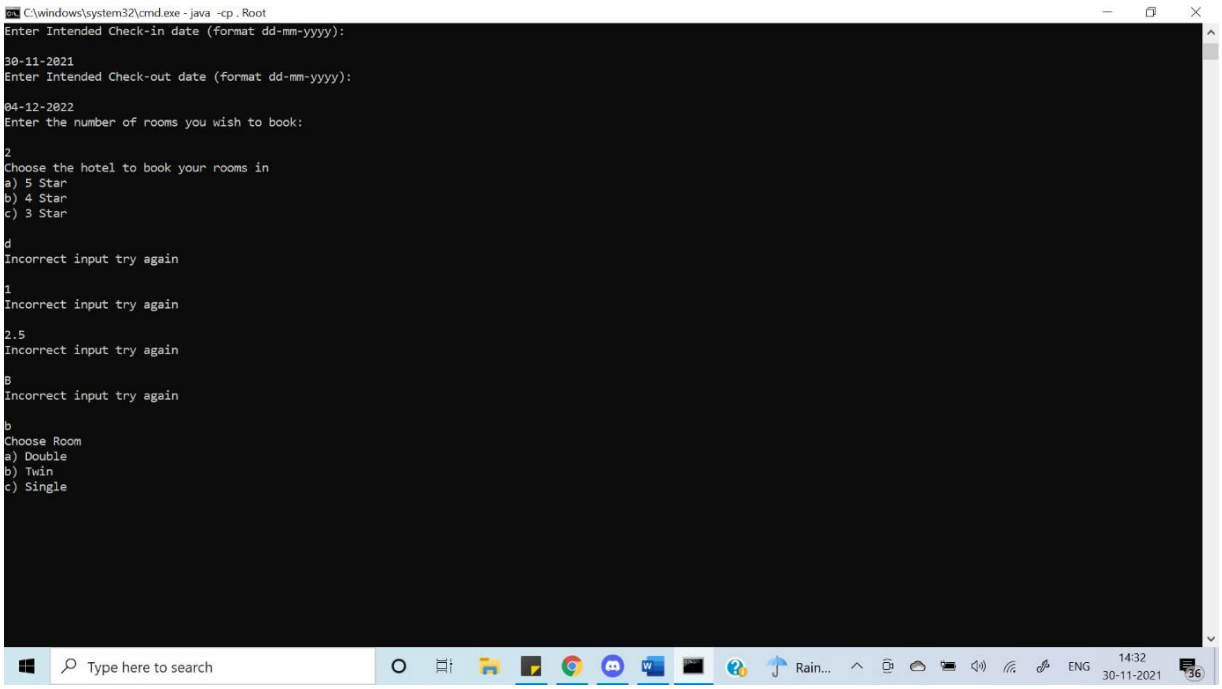
Date Format



Notice how it says Invalid Input if the format is not followed. Also, you can notice that if the program detects that the Check Out date is less than the Check In date it still says Invalid Input. The same logic applies while you enter the dates to look for in the Analytics part.

Test Case 3

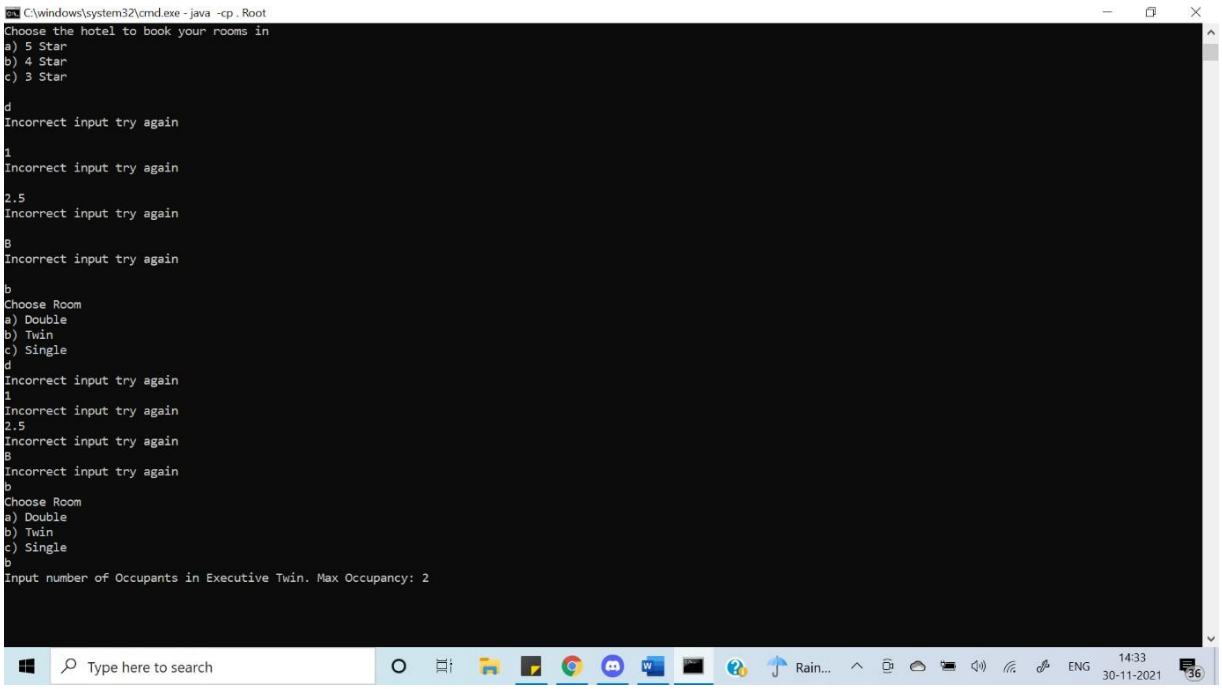
Hotel Type



See how it asks you to input again and again till you get the input type right

Test Case 4

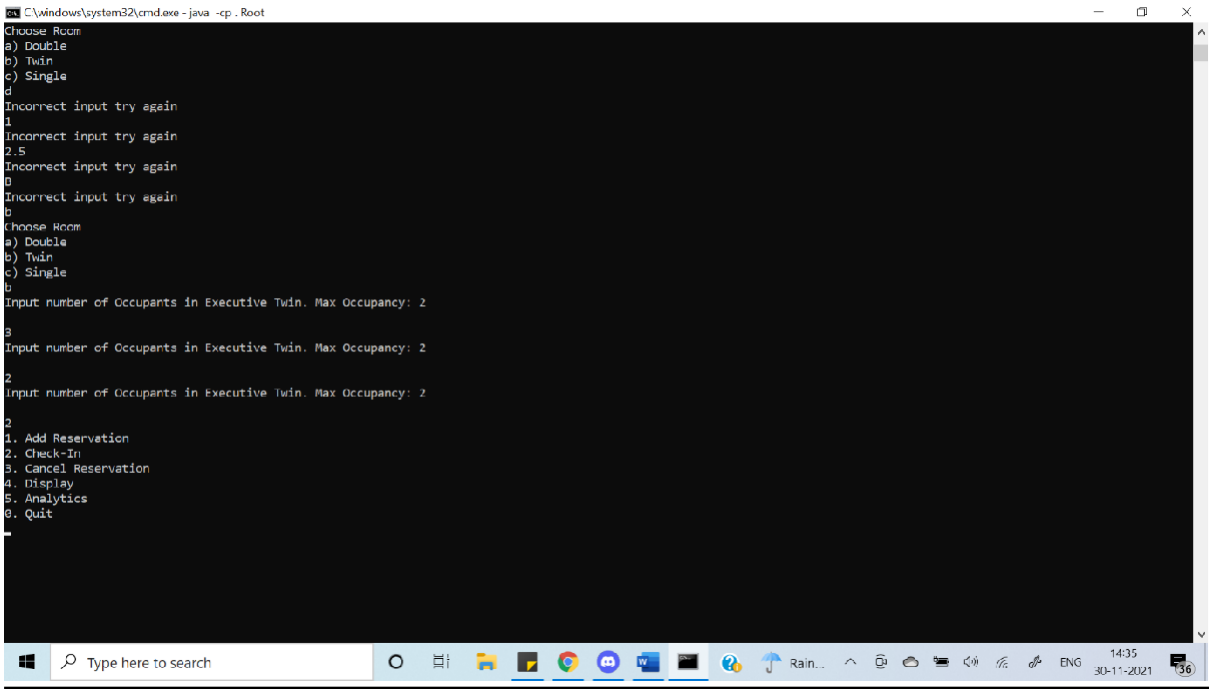
Room Type



See how it asks you to input again and again till you get the input type right

Test Case 5

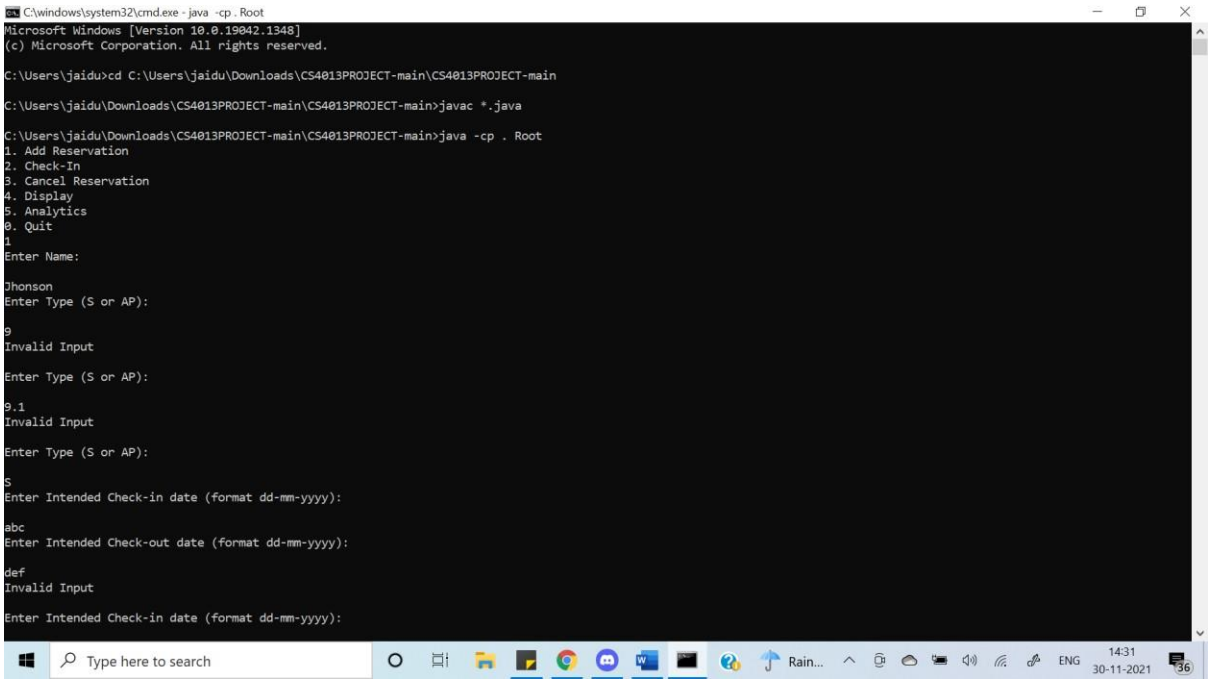
Room Occupancy



See how it asks you to input again and again till you enter the occupancy less than or equal to the maximum occupancy.

Test Case 6

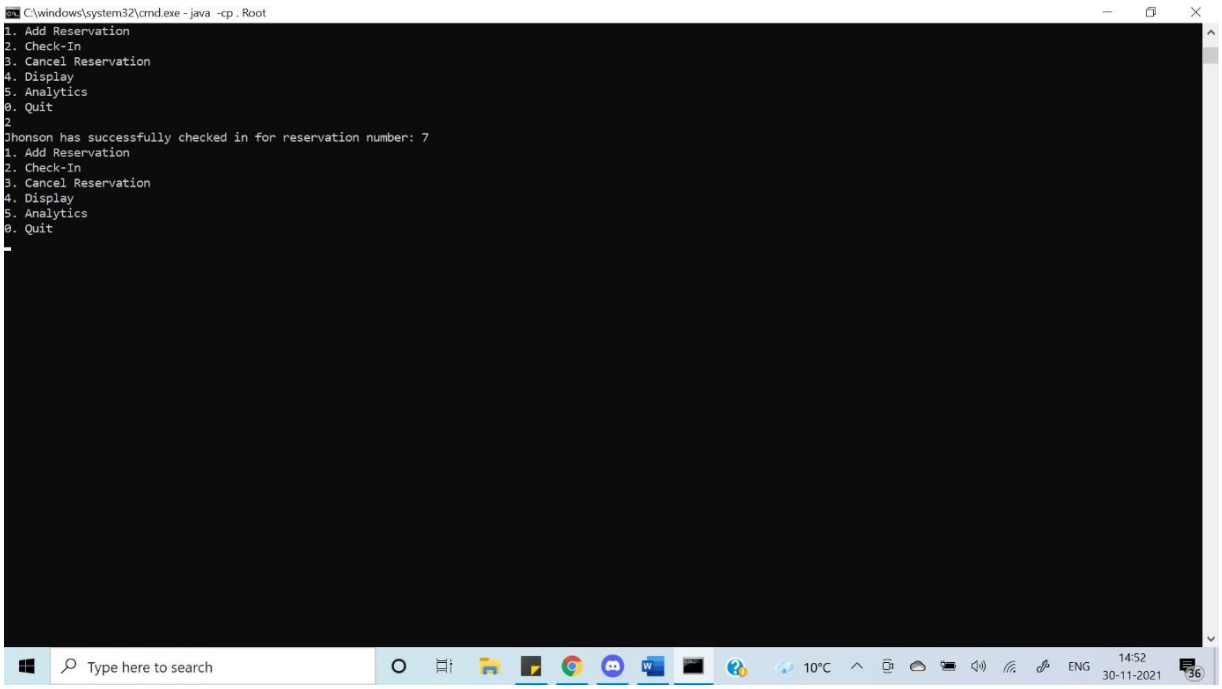
Reservation Type

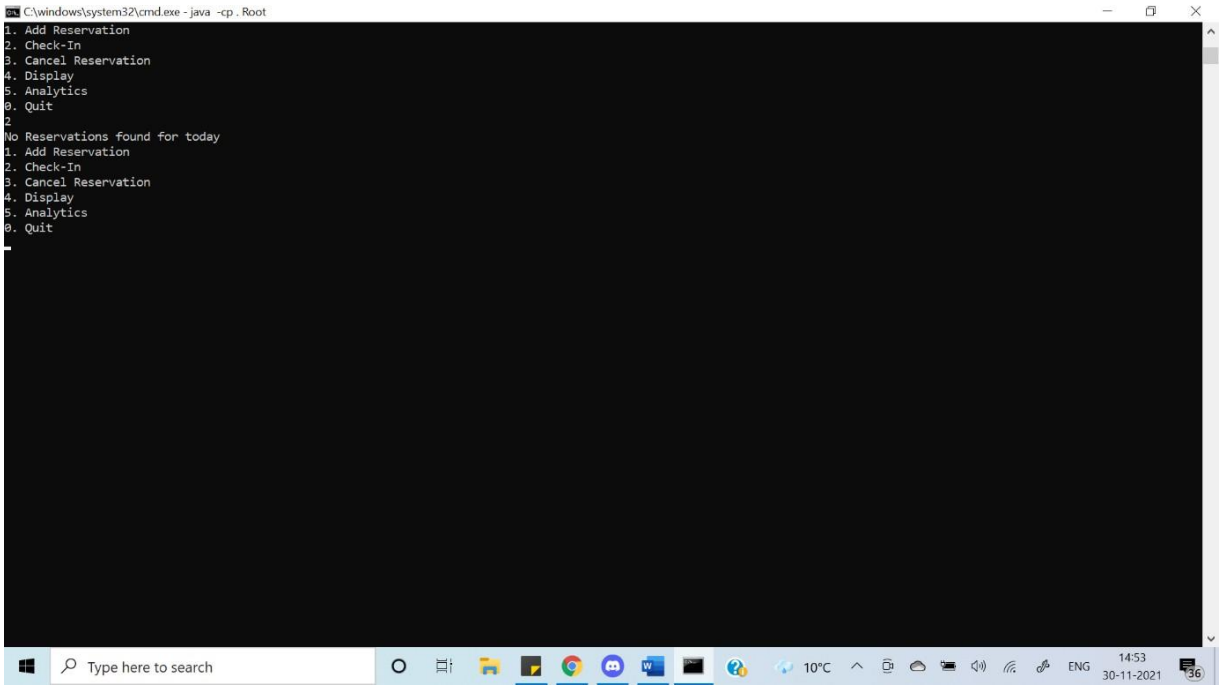


See how it says Invalid input if you enter anything apart from “S” or “AP”

Test Case 7

Check-In

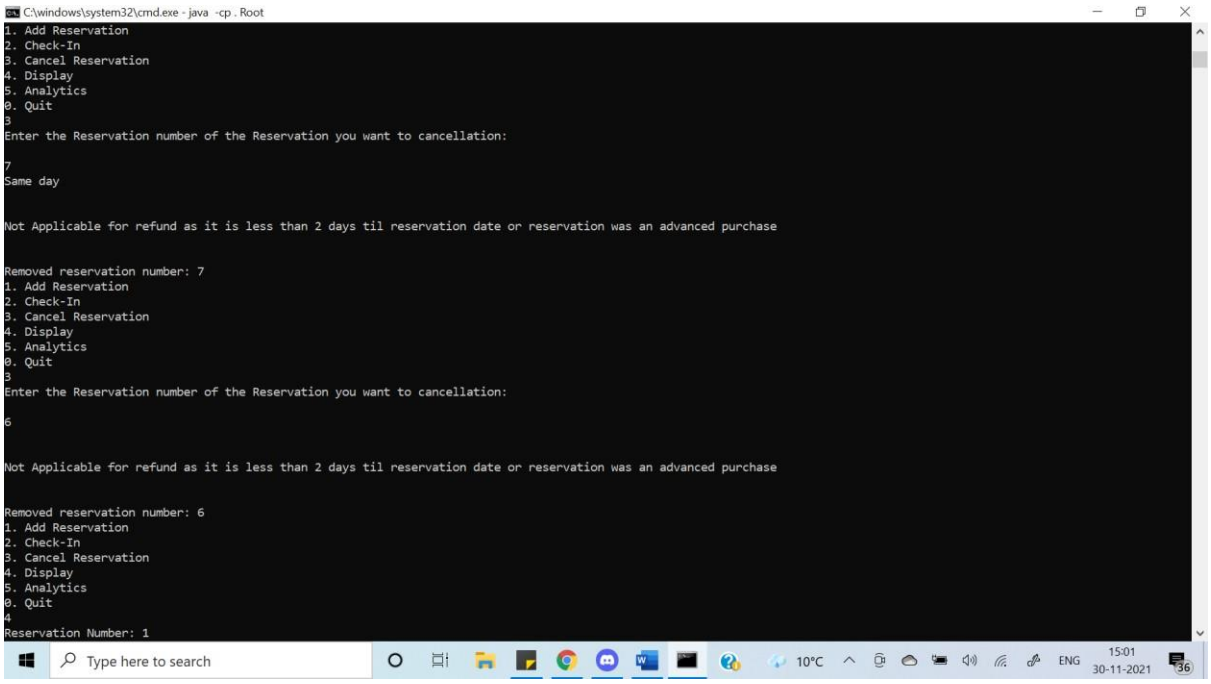


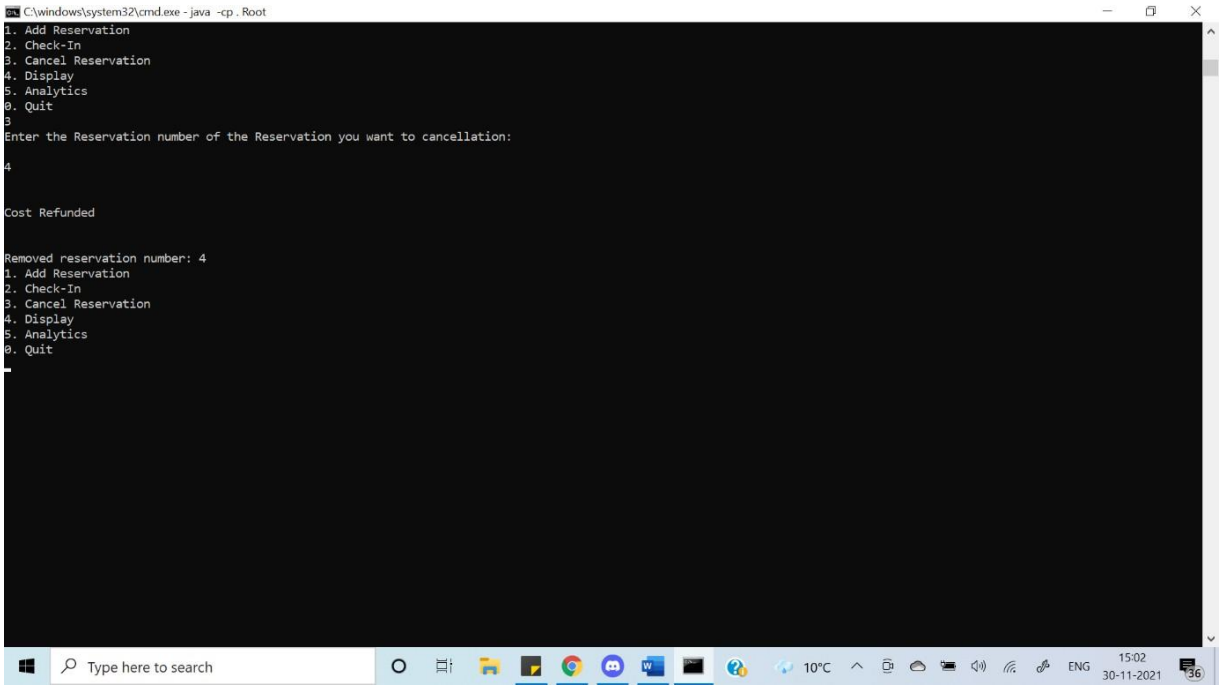


See how it checked in “Jhonson” as his intended Check in date is for 30/11/2021 and the date today is 30/11/2021 but then if you delete this reservation there are still other reservations but now if you try to check in it will not let you as none of the other reservations are for 30/11/2021

Test Case 8

Cancel Reservation

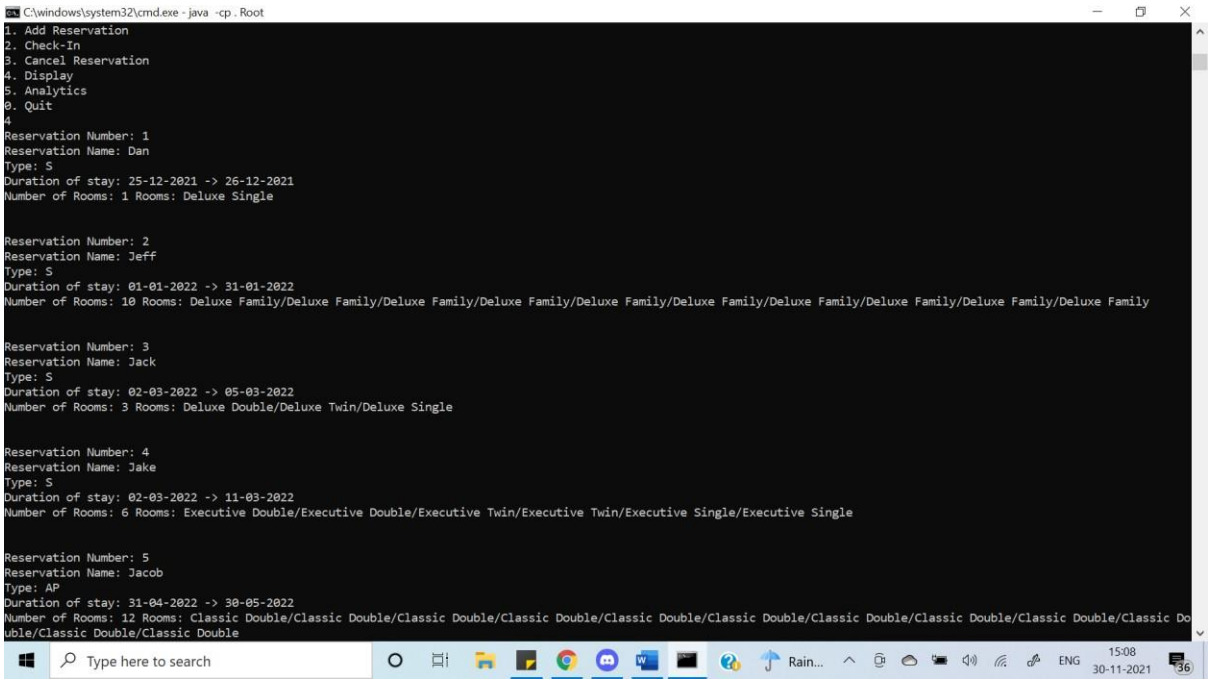




Note how the refund is initiated only is Reservation was of type “S” or it is more than 2 days before cancellation

Test Case 9

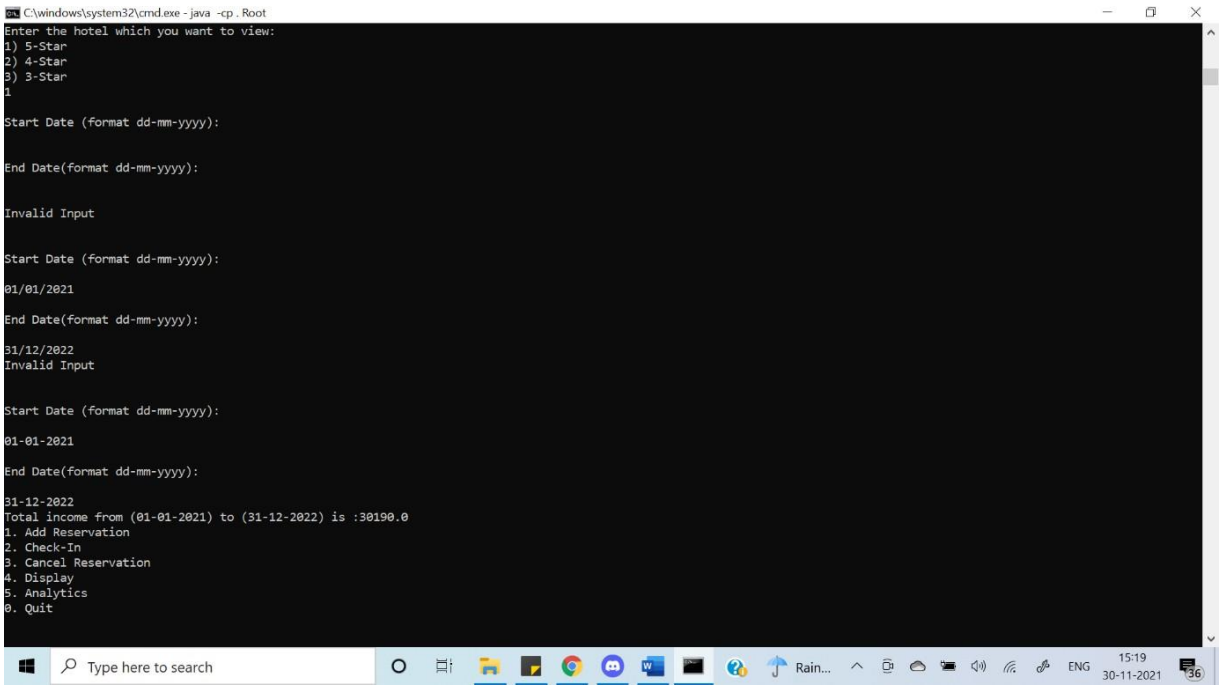
Display



This is just used to display all the reservation information

Test Case 10

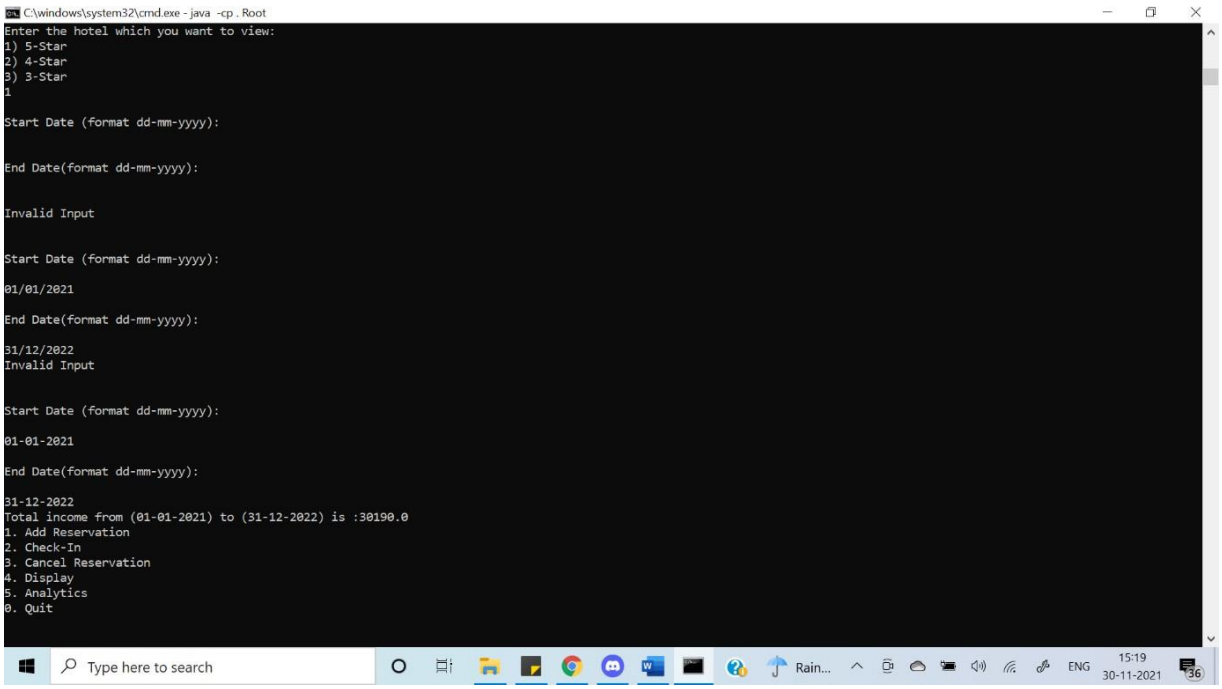
Analytics



Notice it simply prints out the income correctly which means that that analysis is correct

Test Case 11

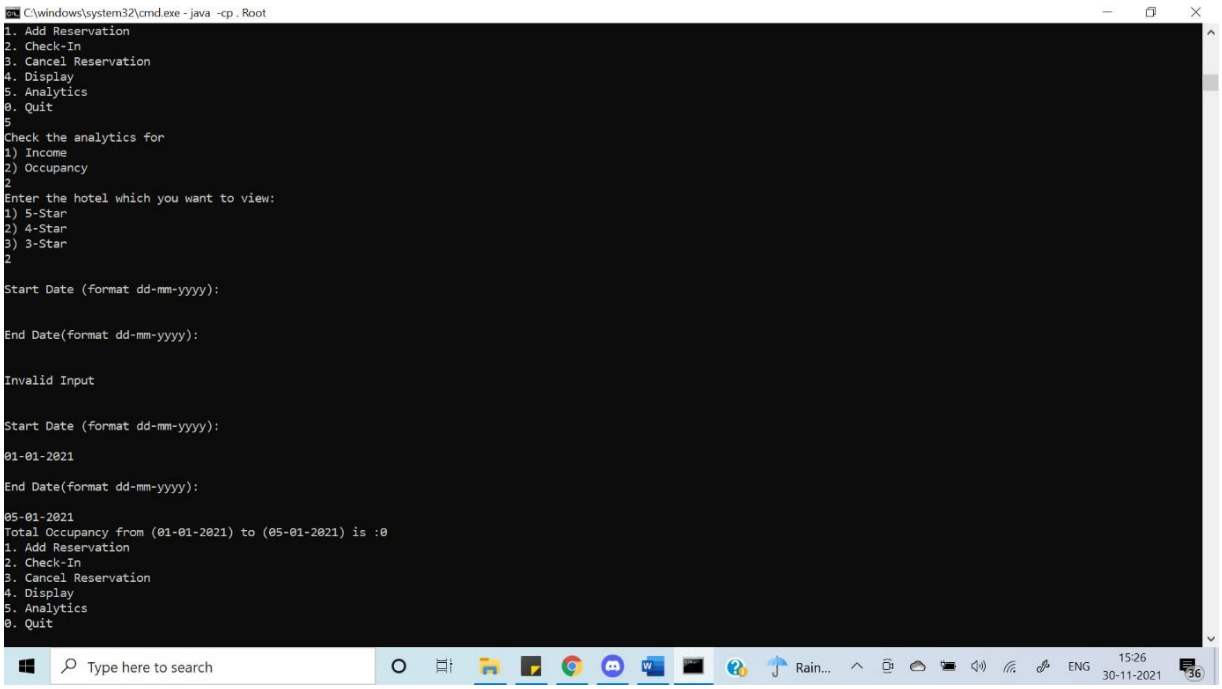
Income



This displays the date income a particular hotel type made in the given date ranges

Test Case 12

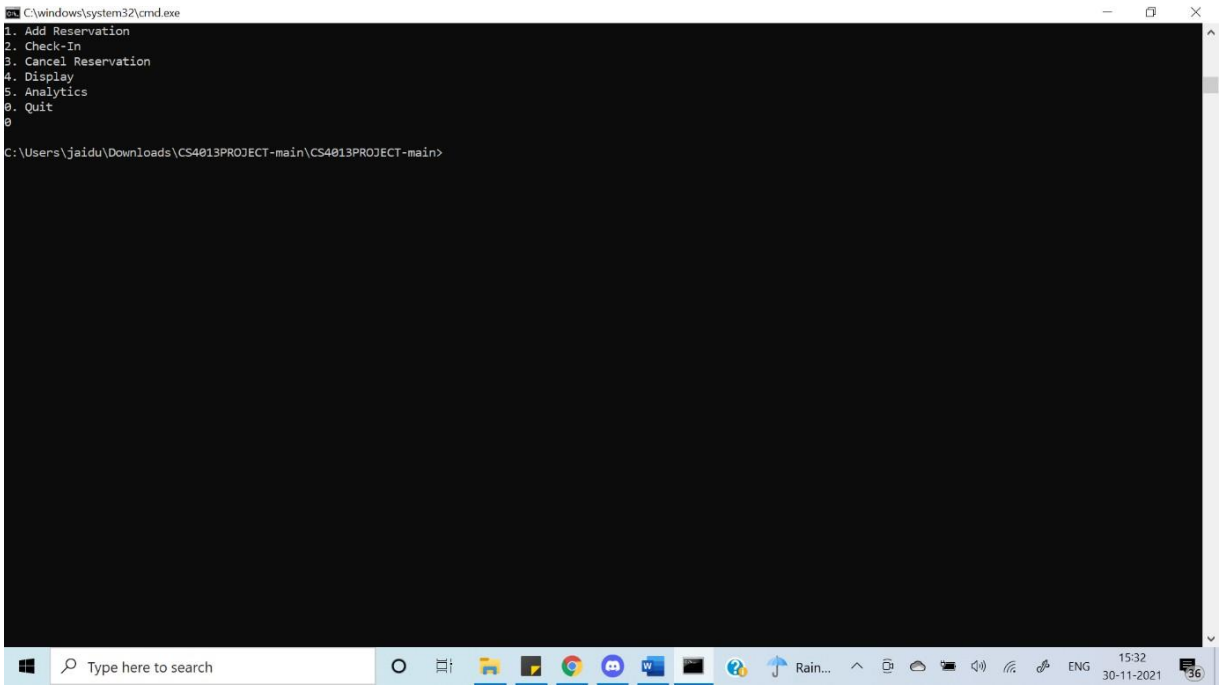
Hotel Occupancy



See how there are no rooms reserved in the given dates ranges in the given hotel type so the Total Occupancy is 0.

Test Case 13

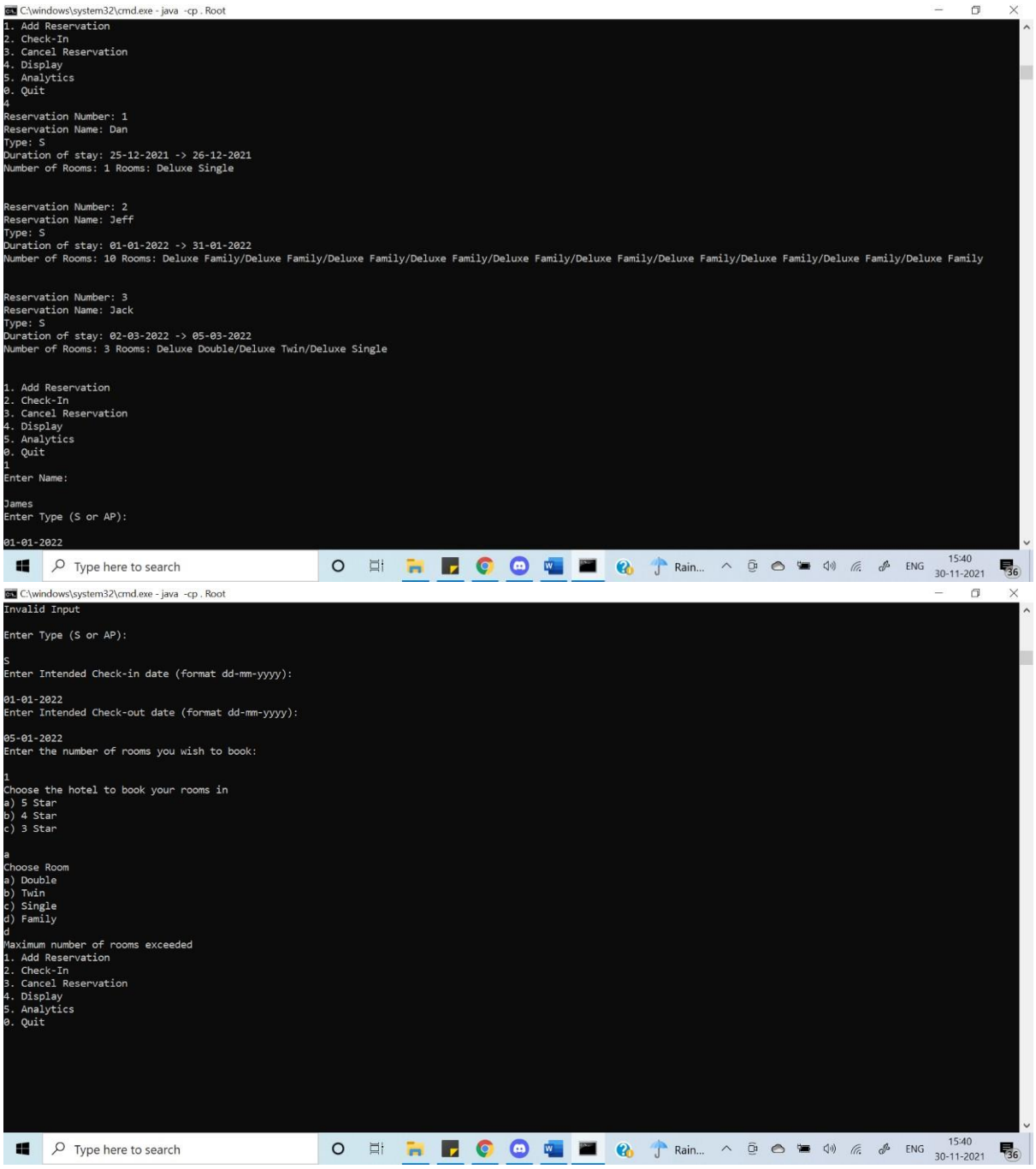
Quit



This simply quits the program by breaking the loop

Test Case 14

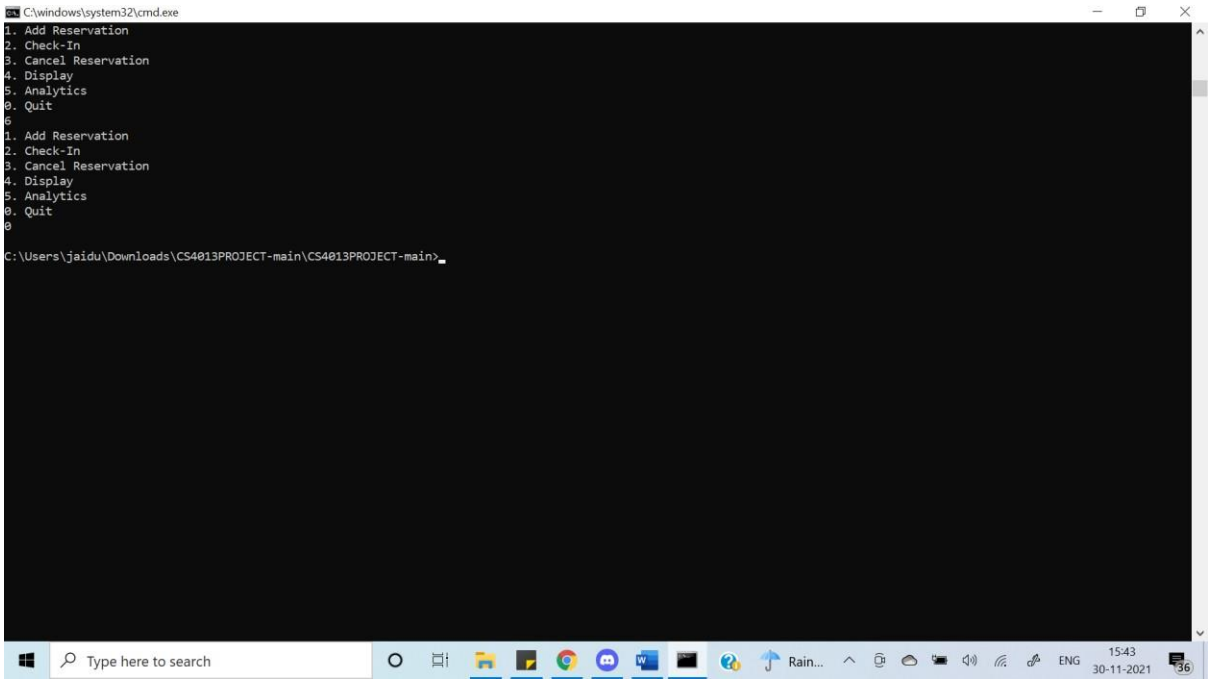
Room Not Available for Reservation



See how the given room type for the hotel type for the particular date is not available as all of them are booked hence reservation cannot be made

Test Case 15

Main Input Method



This tests that if the main input method is given any other integer than the ones specified it asks you to enter your choice again.