HOTAL RESERVATION

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PREFACE

- Receptionist was added as Operator option, but I made it as procedure style not OOP.
- Unfortunately, my code is more Procedure, and less OOP that because my thinking to the problem, I hope it's not annoying.
- 3. I apply a lot of comments in each statement, function, and class I have been used.

ASSUMPTION

- 1. Assume Capacity of hotel is 20 guests.
- 2. Assume (Monster: 1) and (Human: 0).
- 3. Assume Receptionist is Operator to include many other general tasks.
- 4. I used Composition instead of Inheritance.
- 5. Create Id by random operation and id take value in range [10,9999]

RESULT

NEW RESERVATION

1. Enter identity, System will return back random ID

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MELCOME TO TRANSILVANIA HOTEL

TYPE OF SERVICE YOU NEED?

1) New Reservation.
2) Extend Reservation.
3) Additional Services.
4) Cancel Reservation.
5) Operator.
6) End.
>>1

Hello Sir,
Is this first time to you here.
(yes/no) : yes

Plase, Enter this Registeration

Class (Immonster / Oshuman) : 0
How many rooms : 2
Name : youssef
Number of nights : 3

Your ID : 1734
Costs : 3000
Thank You for visiting us
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INPE OF SERVICE YOU NEED?

1) New Reservation.
2) Extend Reservation.
3) Additional Services.
4 Cancel Reservation.
5) Operator.
6) End.
>>1

Hello Sir,
Is this first time to you here.
(yes/no): yes

Plase, Enter this Registeration

Class (1:monster / 0:human): 1

How many rooms: 2

Name: mony
Number of nights: 5

Your ID: 1998
Costs: 2000
Thank You for visiting us

INPE OF SERVICE YOU NEED?

1) New Reservation.
2) Extend Reservation.
3) Additional Services.
5) For ator.
```

EXTEND RESERVATION

First display information from Receptionist section

2. Then Extend Youssef by 10 nights.

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Extend Section_______
Hello sir.
Please, Could I know Your ID : 5378
How many nights do you want to append : 10
Now you extended 10 night with total costs 6500$______
```

3. Display information after extension.

SERVICE

1. Mohamed will take spa.

2. Display information to see how money added.

CANCEL

1. Cancel Mohamed.

RECEPTIONIST

Receptionist List could access.

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Acknowledgment:

1) Information about guests

2) Number of Guestes

3) Number of busy Human rooms.

4) Number of busy Monster Rooms.

5) Total income.

6) Number of Available Human rooms.

7) Number of Available Monster rooms.
```

Available Human rooms : 5

Available Monster rooms : 12

Number of monster room busy : 3

Number of Human room busy : 0

Total income to Hotal : 2400