Test results(Multiplex theater reservation system)

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1. 예매

프로그램을 실행시키면 100개의 좌석 중 무작위로 33개의 좌석이 예매된 상태이므로, day1_t, day2_t, day3_t 모두 각각 297개의 node가 존재하는 상태이다.

1) 01.12.2020 - About time – 12:00 – 1번 자리 – 카드 결제

2) 01.12.2020 - About time – 15:00 – 1번 자리 – 현금 결제

3) 01.12.2020 - About time – 18:00 – 1번 자리 – 카드 결제

4) 01.12.2020 – The Avengers – 12:00 – 3번 자리 – 현금 결제


```
Your reservation has been made successfully !!          Reservation number : 29438
*******************************************************  Date : 1
Reservation Number : 12271                               Movie : 2
Date : 01.12.2020                                        Time : 3
Movie : The Avengers                                     Pay by card : n
Time : 12 : 00
Seat Number : 3                                          Reservation number : 29616
Pay : Cash                                               Date : 1
*******************************************************  Movie : 3
key value of root :                                      Time : 1
Reservation number : 18159                               Pay by card : y
Date : 1
Movie : 1                                                Reservation number : 29860
Time : 1                                                 Date : 1
Pay by card : n                                          Movie : 1
                                                         Time : 2
                                                         Pay by card : y
Leaves (from left to right) :
Reservation number : 10001                               Total number of nodes : 301
Date : 1
Movie : 1                                                Height of tree(day1_t) : 10
Time : 3
Pay by card : n

Reservation number : 10052
Date : 1
Movie : 2                                                1. Go to menu
Time : 3                                                 2. exit
Pay by card : n                                          Press number :
```

5) 01.12.2020 – The Avengers – 15:00 – 1번 자리 – 카드 결제


```
Your reservation has been made successfully !!
*******************************************************  Reservation number : 29438
Reservation Number : 21694                               Date : 1
Date : 01.12.2020                                        Movie : 2
Movie : The Avengers                                     Time : 3
Time : 15 : 00                                           Pay by card : n
Seat Number : 1
Pay : Card                                               Reservation number : 29616
*******************************************************  Date : 1
key value of root :                                      Movie : 3
Reservation number : 18159                               Time : 1
Date : 1                                                 Pay by card : y
Movie : 1
Time : 1                                                 Reservation number : 29860
Pay by card : n                                          Date : 1
                                                         Movie : 1
                                                         Time : 2
Leaves (from left to right) :                            Pay by card : y
Reservation number : 10001
Date : 1                                                 Total number of nodes : 302
Movie : 1
Time : 3                                                 Height of tree(day1_t) : 10
Pay by card : n

Reservation number : 10052
Date : 1
Movie : 2                                                1. Go to menu
Time : 3                                                 2. exit
Pay by card : n                                          Press number : _
```

6) 01.12.2020 – The Avengers – 18:00 – 1번 자리 – 현금 결제


```
                                                         Reservation number : 29438
Your reservation has been made successfully !!           Date : 1
*******************************************************  Movie : 2
Reservation Number : 14274                               Time : 3
Date : 01.12.2020                                        Pay by card : n
Movie : The Avengers
Time : 18 : 00                                            Reservation number : 29616
Seat Number : 1                                          Date : 1
Pay : Cash                                                Movie : 3
*******************************************************  Time : 1
key value of root :                                      Pay by card : y
Reservation number : 18159
Date : 1                                                 Reservation number : 29860
Movie : 1                                                Date : 1
Time : 1                                                 Movie : 1
Pay by card : n                                          Time : 2
                                                         Pay by card : y
Leaves (from left to right) :
Reservation number : 10001                               Total number of nodes : 303
Date : 1
Movie : 1                                                Height of tree(day1_t) : 10
Time : 3
Pay by card : n

Reservation number : 10052
Date : 1
Movie : 2                                                1. Go to menu
Time : 3                                                 2. exit
Pay by card : n                                          Press number :
```

7) 01.12.2020 – Frozen – 12:00 – 1번 자리 – 카드 결제


```
Your reservation has been made successfully !!
**************************************************
Reservation Number : 14578
Date : 01.12.2020
Movie : Frozen
Time : 12 : 00
Seat Number : 1
Pay : Card
**************************************************
key value of root :
Reservation number : 18159
Date : 1
Movie : 1
Time : 1
Pay by card : n

Leaves (from left to right) :
Reservation number : 10001
Date : 1
Movie : 1
Time : 3
Pay by card : n

Reservation number : 10052
Date : 1
Movie : 2
Time : 3
Pay by card : n
```

```
Date : 1
Movie : 2
Time : 3
Pay by card : n

Reservation number : 29616
Date : 1
Movie : 3
Time : 1
Pay by card : y

Reservation number : 29860
Date : 1
Movie : 1
Time : 2
Pay by card : y

Total number of nodes : 304

Height of tree(day1_t) : 10


1. Go to menu
2. exit
Press number :
```

8) 01.12.2020 – Frozen – 15:00 – 1번 자리 – 현금 결제


```
Your reservation has been made successfully !!
**************************************************
Reservation Number : 22620
Date : 01.12.2020
Movie : Frozen
Time : 15 : 00
Seat Number : 1
Pay : Cash
**************************************************
key value of root :
Reservation number : 18159
Date : 1
Movie : 1
Time : 1
Pay by card : n

Leaves (from left to right) :
Reservation number : 10001
Date : 1
Movie : 1
Time : 3
Pay by card : n

Reservation number : 10052
Date : 1
Movie : 2
Time : 3
Pay by card : n
```

```
Date : 1
Movie : 2
Time : 3
Pay by card : n

Reservation number : 29616
Date : 1
Movie : 3
Time : 1
Pay by card : y

Reservation number : 29860
Date : 1
Movie : 1
Time : 2
Pay by card : y

Total number of nodes : 305

Height of tree(day1_t) : 10


1. Go to menu
2. exit
Press number :
```

9) 01.12.2020 – Frozen – 18:00 – 89번 자리 – 카드 결제


```
Your reservation has been made successfully !!
**************************************************
Reservation Number : 27681
Date : 01.12.2020
Movie : Frozen
Time : 18 : 00
Seat Number : 89
Pay : Card
**************************************************
key value of root :
Reservation number : 18159
Date : 1
Movie : 1
Time : 1
Pay by card : n

Leaves (from left to right) :
Reservation number : 10001
Date : 1
Movie : 1
Time : 3
Pay by card : n

Reservation number : 10052
Date : 1
Movie : 2
Time : 3
Pay by card : n
```

```
Reservation number : 29438
Date : 1
Movie : 2
Time : 3
Pay by card : n

Reservation number : 29616
Date : 1
Movie : 3
Time : 1
Pay by card : y

Reservation number : 29860
Date : 1
Movie : 1
Time : 2
Pay by card : y

Total number of nodes : 306

Height of tree(day1_t) : 10


1. Go to menu
2. exit
Press number :
```

10) 02.12.2020 – About time – 12:00 – 72번 자리 – 현금 결제


```
Your reservation has been made successfully !!        Reservation number : 29167
******************************************************* Date : 2
Reservation Number : 15323                             Movie : 1
Date : 02.12.2020                                      Time : 2
Movie : About time                                     Pay by card : y
Time : 12 : 00
Seat Number : 72                                       Reservation number : 29409
Pay : Cash                                             Date : 2
******************************************************* Movie : 1
key value of root :                                    Time : 3
Reservation number : 20115                             Pay by card : n
Date : 2
Movie : 1                                              Reservation number : 29839
Time : 1                                               Date : 2
Pay by card : y                                        Movie : 2
                                                       Time : 3
                                                       Pay by card : n
Leaves (from left to right) :
Reservation number : 10245                             Total number of nodes : 298
Date : 2
Movie : 3                                              Height of tree(day2_t) : 10
Time : 3
Pay by card : n

Reservation number : 10263
Date : 2                                                1. Go to menu
Movie : 2                                               2. exit
Time : 3                                                Press number :
Pay by card : n
```

11) 02.12.2020 – About time – 15:00 – 26번 자리 – 카드 결제


```
Your reservation has been made successfully !!        Reservation number : 29167
******************************************************* Date : 2
Reservation Number : 22366                             Movie : 1
Date : 02.12.2020                                      Time : 2
Movie : About time                                     Pay by card : y
Time : 15 : 00
Seat Number : 26                                       Reservation number : 29409
Pay : Card                                             Date : 2
******************************************************* Movie : 1
key value of root :                                    Time : 3
Reservation number : 20115                             Pay by card : n
Date : 2
Movie : 1                                              Reservation number : 29839
Time : 1                                               Date : 2
Pay by card : y                                        Movie : 2
                                                       Time : 3
                                                       Pay by card : n
Leaves (from left to right) :
Reservation number : 10245                             Total number of nodes : 299
Date : 2
Movie : 3                                              Height of tree(day2_t) : 10
Time : 3
Pay by card : n

Reservation number : 10263
Date : 2                                                1. Go to menu
Movie : 2                                               2. exit
Time : 3                                                Press number :
Pay by card : n
```

12) 02.12.2020 – About time – 18:00 – 31번 자리 – 현금 결제


```
Your reservation has been made successfully !!
*******************************************************
Reservation Number : 21741                             Movie : 1
Date : 02.12.2020                                      Time : 2
Movie : About time                                     Pay by card : y
Time : 18 : 00
Seat Number : 31                                       Reservation number : 29409
Pay : Cash                                             Date : 2
******************************************************* Movie : 1
key value of root :                                    Time : 3
Reservation number : 20115                             Pay by card : n
Date : 2
Movie : 1                                              Reservation number : 29839
Time : 1                                               Date : 2
Pay by card : y                                        Movie : 2
                                                       Time : 3
                                                       Pay by card : n
Leaves (from left to right) :
Reservation number : 10245                             Total number of nodes : 300
Date : 2
Movie : 3                                              Height of tree(day2_t) : 10
Time : 3
Pay by card : n

Reservation number : 10263
Date : 2                                                1. Go to menu
Movie : 2                                               2. exit
Time : 3                                                Press number :
Pay by card : n
```

13) 02.12.2020 – The Avengers – 12:00 – 41번 자리 – 카드 결제


```
Your reservation has been made successfully !!
***********************************************Reservation number : 29167
Reservation Number : 27238                     Date : 2
Date : 02.12.2020                              Movie : 1
Movie : The Avengers                           Time : 2
Time : 12 : 00                                 Pay by card : y
Seat Number : 41
Pay : Card                                     Reservation number : 29409
***********************************************Date : 2
key value of root :                            Movie : 1
Reservation number : 20115                     Time : 3
Date : 2                                       Pay by card : n
Movie : 1
Time : 1                                        Reservation number : 29839
Pay by card : y                                Date : 2
                                               Movie : 2
                                               Time : 3
Leaves (from left to right) :                  Pay by card : n
Reservation number : 10245
Date : 2                                       Total number of nodes : 301
Movie : 3
Time : 3                                        Height of tree(day2_t) : 10
Pay by card : n

Reservation number : 10263
Date : 2
Movie : 2                                       1. Go to menu
Time : 3                                        2. exit
Pay by card : n                                 Press number :
```

14) 02.12.2020 – The Avengers – 15:00 – 61번 자리 – 현금 결제


```
Your reservation has been made successfully !!
***********************************************Reservation number : 29167
Reservation Number : 13626                     Date : 2
Date : 02.12.2020                              Movie : 1
Movie : The Avengers                           Time : 2
Time : 15 : 00                                 Pay by card : y
Seat Number : 61
Pay : Cash                                     Reservation number : 29409
***********************************************Date : 2
key value of root :                            Movie : 1
Reservation number : 20115                     Time : 3
Date : 2                                       Pay by card : n
Movie : 1
Time : 1                                        Reservation number : 29839
Pay by card : y                                Date : 2
                                               Movie : 2
                                               Time : 3
Leaves (from left to right) :                  Pay by card : n
Reservation number : 10245
Date : 2                                       Total number of nodes : 302
Movie : 3
Time : 3                                        Height of tree(day2_t) : 10
Pay by card : n

Reservation number : 10263
Date : 2
Movie : 2                                       1. Go to menu
Time : 3                                        2. exit
Pay by card : n                                 Press number :
```

15) 02.12.2020 – The Avengers – 18:00 – 6번 자리 – 카드 결제


```
Your reservation has been made successfully !!
***********************************************
Reservation Number : 24820                     Reservation number : 29167
Date : 02.12.2020                              Date : 2
Movie : The Avengers                           Movie : 1
Time : 18 : 00                                 Time : 2
Seat Number : 6                                Pay by card : y
Pay : Card
***********************************************Reservation number : 29409
key value of root :                            Date : 2
Reservation number : 20115                     Movie : 1
Date : 2                                       Time : 3
Movie : 1                                       Pay by card : n
Time : 1
Pay by card : y                                Reservation number : 29839
                                               Date : 2
                                               Movie : 2
                                               Time : 3
Leaves (from left to right) :                  Pay by card : n
Reservation number : 10245
Date : 2                                       Total number of nodes : 303
Movie : 3
Time : 3                                        Height of tree(day2_t) : 10
Pay by card : n

Reservation number : 10263
Date : 2
Movie : 2                                       1. Go to menu
Time : 3                                        2. exit
Pay by card : n                                 Press number :
```

16) 02.12.2020 – Frozen – 12:00 – 47번 자리 – 현금 결제


```
Your reservation has been made successfully !!          Reservation number : 29167
***********************************************          Date : 2
Reservation Number : 11897                               Movie : 1
Date : 02.12.2020                                        Time : 2
Movie : Frozen                                           Pay by card : y
Time : 12 : 00
Seat Number : 47                                         Reservation number : 29409
Pay : Cash                                               Date : 2
***********************************************          Movie : 1
key value of root :                                      Time : 3
Reservation number : 20115                               Pay by card : n
Date : 2
Movie : 1                                                Reservation number : 29839
Time : 1                                                 Date : 2
Pay by card : y                                          Movie : 2
                                                         Time : 3
                                                         Pay by card : n
Leaves (from left to right) :
Reservation number : 10245                               Total number of nodes : 304
Date : 2
Movie : 3                                                Height of tree(day2_t) : 10
Time : 3
Pay by card : n

Reservation number : 10263
Date : 2                                                 1. Go to menu
Movie : 2                                                2. exit
Time : 3                                                 Press number :
Pay by card : n
```

17) 02.12.2020 – Frozen – 15:00 – 7번 자리 – 카드 결제


```
                                                         Reservation number : 29167
Your reservation has been made successfully !!          Date : 2
***********************************************          Movie : 1
Reservation Number : 13279                               Time : 2
Date : 02.12.2020                                        Pay by card : y
Movie : Frozen
Time : 15 : 00                                           Reservation number : 29409
Seat Number : 7                                          Date : 2
Pay : Card                                               Movie : 1
***********************************************          Time : 3
key value of root :                                      Pay by card : n
Reservation number : 20115
Date : 2                                                 Reservation number : 29839
Movie : 1                                                Date : 2
Time : 1                                                 Movie : 2
Pay by card : y                                          Time : 3
                                                         Pay by card : n
Leaves (from left to right) :
Reservation number : 10245                               Total number of nodes : 305
Date : 2
Movie : 3                                                Height of tree(day2_t) : 10
Time : 3
Pay by card : n

Reservation number : 10263
Date : 2                                                 1. Go to menu
Movie : 2                                                2. exit
Time : 3                                                 Press number :
Pay by card : n
```

18) 02.12.2020 – Frozen – 18:00 – 66번 자리 – 현금 결제


```
                                                         Reservation number : 29167
Your reservation has been made successfully !!          Date : 2
***********************************************          Movie : 1
Reservation Number : 14075                               Time : 2
Date : 02.12.2020                                        Pay by card : y
Movie : Frozen
Time : 18 : 00                                           Reservation number : 29409
Seat Number : 66                                         Date : 2
Pay : Cash                                               Movie : 1
***********************************************          Time : 3
key value of root :                                      Pay by card : n
Reservation number : 20115
Date : 2                                                 Reservation number : 29839
Movie : 1                                                Date : 2
Time : 1                                                 Movie : 2
Pay by card : y                                          Time : 3
                                                         Pay by card : n
Leaves (from left to right) :
Reservation number : 10245                               Total number of nodes : 306
Date : 2
Movie : 3                                                Height of tree(day2_t) : 10
Time : 3
Pay by card : n

Reservation number : 10263
Date : 2                                                 1. Go to menu
Movie : 2                                                2. exit
Time : 3                                                 Press number :
Pay by card : n
```

19) 03.12.2020 – About time – 12:00 – 48번 자리 – 카드 결제


```
Your reservation has been made successfully !!
**********************************************
Reservation Number : 19977
Date : 02.12.2020
Movie : About time
Time : 12 : 00
Seat Number : 48
Pay : Card
**********************************************
key value of root :
Reservation number : 15521
Date : 3
Movie : 1
Time : 1
Pay by card : y

Leaves (from left to right) :
Reservation number : 10091
Date : 3
Movie : 3
Time : 2
Pay by card : y

Reservation number : 10118
Date : 3
Movie : 2
Time : 1
Pay by card : y
```
```
Reservation number : 28626
Date : 3
Movie : 3
Time : 3
Pay by card : y

Reservation number : 28883
Date : 3
Movie : 3
Time : 1
Pay by card : n

Reservation number : 29070
Date : 3
Movie : 2
Time : 2
Pay by card : n

Total number of nodes : 298

Height of tree(day3_t) : 10



1. Go to menu
2. exit
Press number :
```

20) 03.12.2020 – About time – 15:00 – 6번 자리 – 현금 결제


```
Your reservation has been made successfully !!
**********************************************
Reservation Number : 26570
Date : 02.12.2020
Movie : About time
Time : 15 : 00
Seat Number : 6
Pay : Cash
**********************************************
key value of root :
Reservation number : 15521
Date : 3
Movie : 1
Time : 1
Pay by card : y

Leaves (from left to right) :
Reservation number : 10091
Date : 3
Movie : 3
Time : 2
Pay by card : y

Reservation number : 10118
Date : 3
Movie : 2
Time : 1
Pay by card : y
```
```
Reservation number : 28626
Date : 3
Movie : 3
Time : 3
Pay by card : y

Reservation number : 28883
Date : 3
Movie : 3
Time : 1
Pay by card : n

Reservation number : 29070
Date : 3
Movie : 2
Time : 2
Pay by card : n

Total number of nodes : 299

Height of tree(day3_t) : 10



1. Go to menu
2. exit
Press number :
```

21) 03.12.2020 – About time – 18:00 – 98번 자리 – 카드 결제


```
Your reservation has been made successfully !!
**********************************************
Reservation Number : 12602
Date : 02.12.2020
Movie : About time
Time : 18 : 00
Seat Number : 98
Pay : Card
**********************************************
key value of root :
Reservation number : 15521
Date : 3
Movie : 1
Time : 1
Pay by card : y

Leaves (from left to right) :
Reservation number : 10091
Date : 3
Movie : 3
Time : 2
Pay by card : y

Reservation number : 10118
Date : 3
Movie : 2
Time : 1
Pay by card : y
```
```
Reservation number : 28626
Date : 3
Movie : 3
Time : 3
Pay by card : y

Reservation number : 28883
Date : 3
Movie : 3
Time : 1
Pay by card : n

Reservation number : 29070
Date : 3
Movie : 2
Time : 2
Pay by card : n

Total number of nodes : 300

Height of tree(day3_t) : 10



1. Go to menu
2. exit
Press number :
```

22) 03.12.2020 – The Avengers – 12:00 – 25번 자리 – 현금 결제

23) 03.12.2020 – The Avengers – 15:00 – 47번 자리 – 카드 결제

24) 03.12.2020 – The Avengers – 18:00 – 71번 자리 – 현금 결제

25) 03.12.2020 – Frozen – 12:00 – 26번 자리 – 카드 결제

26) 03.12.2020 – Frozen – 15:00 – 66번 자리 – 현금 결제

27) 03.12.2020 – Frozen – 18:00 – 66번 자리 – 카드 결제

2. 예매 취소

1) 01.12.2020 - About time – 15:00 – 1번 자리 – 현금 결제 - 24198

```
Please check your reservation information        Your reservation has been cancelled !        Reservation number : 29438
                                                                                               Date : 1
****************************                     !! Since you have selected to pay by cash,    Movie : 2
Reservation Number : 24198                       refund will not be made !!                    Time : 3
Date : 01.12.2020                                                                              Pay by card : n
Movie : About time                              key value of root :
Time : 15 : 00                                  Reservation number : 18159                     Reservation number : 29616
Seat Number : 1                                 Date : 1                                       Date : 1
Pay : Cash                                      Movie : 1                                      Movie : 3
****************************                     Time : 1                                      Time : 1
                                                Pay by card : n                                Pay by card : y

                                                Leaves (from left to right) :                  Reservation number : 29860
1. Cancel above reservation                     Reservation number : 10001                     Date : 1
2. Go to menu                                   Date : 1                                       Movie : 1
Enter number :                                  Movie : 1                                      Time : 2
                                                Time : 3                                       Pay by card : y
                                                Pay by card : n
                                                                                               Total number of nodes : 305
                                                Reservation number : 10052
                                                Date : 1                                       Height of tree(day1_t) : 10
                                                Movie : 2
                                                Time : 3
                                                Pay by card : n                                1. Go to menu
                                                                                               2. exit
                                                Reservation number : 10127                     Enter number :
                                                Date : 1
                                                Movie : 3
```

2) 01.12.2020 – The Avengers – 18:00 – 1번 자리 – 현금 결제 - 14274

```
Please check your reservation information        Your reservation has been cancelled !        Reservation number : 29438
                                                                                               Date : 1
****************************                     !! Since you have selected to pay by cash,    Movie : 2
Reservation Number : 14274                       refund will not be made !!                    Time : 3
Date : 01.12.2020                                                                              Pay by card : n
Movie : The Avengers                            key value of root :
Time : 18 : 00                                  Reservation number : 18159                     Reservation number : 29616
Seat Number : 1                                 Date : 1                                       Date : 1
Pay : Cash                                      Movie : 1                                      Movie : 3
****************************                     Time : 1                                      Time : 1
                                                Pay by card : n                                Pay by card : y

                                                Leaves (from left to right) :                  Reservation number : 29860
1. Cancel above reservation                     Reservation number : 10001                     Date : 1
2. Go to menu                                   Date : 1                                       Movie : 1
Enter number : _                                Movie : 1                                      Time : 2
                                                Time : 3                                       Pay by card : y
                                                Pay by card : n
                                                                                               Total number of nodes : 304
                                                Reservation number : 10052
                                                Date : 1                                       Height of tree(day1_t) : 10
                                                Movie : 2
                                                Time : 3
                                                Pay by card : n                                1. Go to menu
                                                                                               2. exit
                                                Reservation number : 10127                     Enter number :
                                                Date : 1
                                                Movie : 3
```

3) 01.12.2020 – Frozen – 12:00 – 1번 자리 – 카드 결제 – 14578

```
                                                 Your reservation has been cancelled !        Reservation number : 29438
                                                                                               Date : 1
                                                 !! Since you have selected to pay by card,    Movie : 2
                                                 refund will be made by card !!                Time : 3
Please check your reservation information                                                      Pay by card : n
                                                key value of root :
****************************                     Reservation number : 18159                    Reservation number : 29616
Reservation Number : 14578                       Date : 1                                       Date : 1
Date : 01.12.2020                               Movie : 1                                      Movie : 3
Movie : Frozen                                  Time : 1                                       Time : 1
Time : 12 : 00                                  Pay by card : n                                Pay by card : y
Seat Number : 1
Pay : Card                                      Leaves (from left to right) :                  Reservation number : 29860
****************************                     Reservation number : 10001                     Date : 1
                                                Date : 1                                       Movie : 1
                                                Movie : 1                                      Time : 2
1. Cancel above reservation                     Time : 3                                       Pay by card : y
2. Go to menu                                   Pay by card : n
Enter number : ■                                                                               Total number of nodes : 303
                                                Reservation number : 10052
                                                Date : 1                                       Height of tree(day1_t) : 10
                                                Movie : 2
                                                Time : 3
                                                Pay by card : n                                1. Go to menu
                                                                                               2. exit
                                                Reservation number : 10127                     Enter number :
                                                Date : 1
                                                Movie : 3
```

4) 02.12.2020 – About time – 12:00 – 72번 자리 – 현금 결제 – 15323


```
Please check your reservation information

****************************
Reservation Number : 15323
Date : 02.12.2020
Movie : About time
Time : 12 : 00
Seat Number : 72
Pay : Cash
****************************


1. Cancel above reservation
2. Go to menu
Enter number : _
```

```
Your reservation has been cancelled !

!! Since you have selected to pay by cash, refund will not be made !!

key value of root :
Reservation number : 20115
Date : 2
Movie : 1
Time : 1
Pay by card : y

Leaves (from left to right) :
Reservation number : 10245
Date : 2
Movie : 3
Time : 3
Pay by card : n

Reservation number : 10263
Date : 2
Movie : 2
Time : 3
Pay by card : n

Reservation number : 10493
Date : 2
Movie : 2
```

```
Reservation number : 29167
Date : 2
Movie : 1
Time : 2
Pay by card : y

Reservation number : 29409
Date : 2
Movie : 1
Time : 3
Pay by card : n

Reservation number : 29839
Date : 2
Movie : 2
Time : 3
Pay by card : n

Total number of nodes : 305

Height of tree(day2_t) : 10


1. Go to menu
2. exit
Enter number : _
```

5) 02.12.2020 – The Avengers – 15:00 – 61번 자리 – 현금 결제 – 13626


```
Please check your reservation information

****************************
Reservation Number : 13626
Date : 02.12.2020
Movie : The Avengers
Time : 15 : 00
Seat Number : 61
Pay : Cash
****************************


1. Cancel above reservation
2. Go to menu
Enter number : _
```

```
Your reservation has been cancelled !

!! Since you have selected to pay by cash, refund will not be made !!

key value of root :
Reservation number : 20115
Date : 2
Movie : 1
Time : 1
Pay by card : y

Leaves (from left to right) :
Reservation number : 10245
Date : 2
Movie : 3
Time : 3
Pay by card : n

Reservation number : 10263
Date : 2
Movie : 2
Time : 3
Pay by card : n

Reservation number : 10493
Date : 2
Movie : 2
```

```
Reservation number : 29167
Date : 2
Movie : 1
Time : 2
Pay by card : y

Reservation number : 29409
Date : 2
Movie : 1
Time : 3
Pay by card : n

Reservation number : 29839
Date : 2
Movie : 2
Time : 3
Pay by card : n

Total number of nodes : 304

Height of tree(day2_t) : 10


1. Go to menu
2. exit
Enter number : _
```

6) 02.12.2020 – Frozen – 18:00 – 66번 자리 – 현금 결제 – 14075


```
Please check your reservation information

****************************
Reservation Number : 14075
Date : 02.12.2020
Movie : Frozen
Time : 18 : 00
Seat Number : 66
Pay : Cash
****************************


1. Cancel above reservation
2. Go to menu
Enter number :
```

```
Your reservation has been cancelled !

!! Since you have selected to pay by cash, refund will not be made !!

key value of root :
Reservation number : 20115
Date : 2
Movie : 1
Time : 1
Pay by card : y

Leaves (from left to right) :
Reservation number : 10245
Date : 2
Movie : 3
Time : 3
Pay by card : n

Reservation number : 10263
Date : 2
Movie : 2
Time : 3
Pay by card : n

Reservation number : 10493
Date : 2
Movie : 2
```

```
Reservation number : 29167
Date : 2
Movie : 1
Time : 2
Pay by card : y

Reservation number : 29409
Date : 2
Movie : 1
Time : 3
Pay by card : n

Reservation number : 29839
Date : 2
Movie : 2
Time : 3
Pay by card : n

Total number of nodes : 303

Height of tree(day2_t) : 10


1. Go to menu
2. exit
Enter number :
```

7) 03.12.2020 – About time – 12:00 – 48번 자리 – 카드 결제 – 19977

8) 03.12.2020 – The Avengers – 15:00 – 47번 자리 – 카드 결제 – 18877

9) 03.12.2020 – Frozen – 18:00 – 66번 자리 – 카드 결제 – 21013

3. Exit