

OUTPUT

Successful Reservation

Output Clear

```
/tmp/GaMoerMKyg.o
Enter the number of seats: 5
Enter the number of passengers: 2
Enter the number of seats required for passenger 1: 3
Seat 0 has been assigned to passenger 1.
Seat 1 has been assigned to passenger 1.
Seat 2 has been assigned to passenger 1.
Enter the number of seats required for passenger 2: 2
Seat 3 has been assigned to passenger 2.
Seat 4 has been assigned to passenger 2.
Enter the passenger ID to cancel reservation (or enter -1 to exit): -1
All passengers' requests are successfully accommodated, and the reservations are made.
```

Partial Reservation

Output Clear

```
/tmp/GaMoerMKyg.o
Enter the number of seats: 5
Enter the number of passengers: 4
Enter the number of seats required for passenger 1: 1
Seat 0 has been assigned to passenger 1.
Enter the number of seats required for passenger 2: 2
Seat 1 has been assigned to passenger 2.
Seat 2 has been assigned to passenger 2.
Enter the number of seats required for passenger 3: 1
Seat 3 has been assigned to passenger 3.
Enter the number of seats required for passenger 4: 2
Request failed for passenger 4.
Enter the passenger ID to cancel reservation (or enter -1 to exit): -1
Not all passengers' requests could be accommodated.
```

Cancellation

Output Clear

```
/tmp/OR3IiKlr6D.o
Enter the number of seats: 10
Enter the number of passengers: 3
Enter the number of seats required for passenger 1: 4
Seat 0 has been assigned to passenger 1.
Seat 1 has been assigned to passenger 1.
Seat 2 has been assigned to passenger 1.
Seat 3 has been assigned to passenger 1.
Enter the number of seats required for passenger 2: 5
Seat 4 has been assigned to passenger 2.
Seat 5 has been assigned to passenger 2.
Seat 6 has been assigned to passenger 2.
Seat 7 has been assigned to passenger 2.
Seat 8 has been assigned to passenger 2.
Enter the number of seats required for passenger 3: 2
Request failed for passenger 3.
Enter the passenger ID to cancel reservation (or enter -1 to exit): 2
Seat 4 has been assigned to passenger 3.
Passenger 3 has been assigned the seat canceled by passenger 2.
Enter the passenger ID to cancel reservation (or enter -1 to exit): -1
Not all passengers' requests could be accommodated.
|
```

Overbooking Reservation

Output Clear

```
/tmp/OR3IiKlr6D.o
Enter the number of seats: 12
Enter the number of passengers: 4
Enter the number of seats required for passenger 1: 5
Seat 0 has been assigned to passenger 1.
Seat 1 has been assigned to passenger 1.
Seat 2 has been assigned to passenger 1.
Seat 3 has been assigned to passenger 1.
Seat 4 has been assigned to passenger 1.
Enter the number of seats required for passenger 2: 4
Seat 5 has been assigned to passenger 2.
Seat 6 has been assigned to passenger 2.
Seat 7 has been assigned to passenger 2.
Seat 8 has been assigned to passenger 2.
Enter the number of seats required for passenger 3: 6
Request failed for passenger 3.
Enter the number of seats required for passenger 4: 2
Seat 9 has been assigned to passenger 4.
Seat 10 has been assigned to passenger 4.
Enter the passenger ID to cancel reservation (or enter -1 to exit): -1
Not all passengers' requests could be accommodated.
|
```