

Write a program to book train tickets as per the details given below:

The program should first present a menu with the following options:

1. Book Ticket
2. Cancel Ticket
3. Print All
4. Print Availability
5. Exit

Details and conditions that are common

- The train has only one coach with 16 berths (4 Lower, 4 Middle, 4 Upper, 2 Side Upper and 2 Side Lower)
- 14 confirmed tickets will be allotted a berth (4 Lower, 4 Middle, 4 Upper, 2 Side Upper)
- The remaining 2 Side Lower berths are issued as 4 RAC tickets (Reservation against Cancellation)
- No ticket for infants below 5 years of age
- Wait list tickets should be issued for bookings beyond the confirmed 14 and 4 RAC. There can only be 2 waitlist tickets

Book Ticket

- When Book Ticket is chosen
 - It should prompt for the passenger details like:
Enter Name :
Enter Age :
Enter Preference :
Do you want to book one more ? (Y/N) :
 - Kids/infants below age of 5 should also be accepted the same way.
 - After entering the details of all the passengers in the group, it should print the ticket.
- Conditions for booking a ticket
 - When no berth preference is given for a passenger, the following rules should be applied:
 - Passengers with kids should be given a lower berth.
 - Passengers with age >60 should be allotted a lower berth, if available