Vignesh
C or Python Application

Train booking application

1. **use data structure (Proper reasoning is needed)**
2. **Capture the basic information of passenger to book the ticket.**
3. **Use files to store all booking details (passenger, train and fare) details whenever user books the ticket.**
4. **System should generate a unique Id for train, user and booking to generate reports.**

- Ticket booking should be distributed equally across different compartments in a train. (one user can book multiple tickets)

- Dynamic pricing – As the seats get filled the price should be increased.

- Ticket cancellation – deduct certain amount and refund the rest of the fare

- Application should have an option to display the data from the file (booking details)

- Generate reports based on the different conditions listed before-

    1. List all the bookings with customer details, train details and fare details.
    2. if user provides the train unique id then it should display the booking details.
    3. Based on the user unique id, the system should display the booking history of a user.