

booking a bus ticket

[12/16, 21:26] Tamil Clg: import java.util.Scanner;

```
public class BusTicketBookingSystem {  
private static int availableSeats = 50; // Set the initial number of available seats
```

```
public static void main(String[] args) {  
Scanner scanner = new Scanner(System.in);
```

```
while (true) {  
System.out.println("1. Book a ticket");  
System.out.println("2. View available seats");  
System.out.println("3. Exit");  
System.out.print("Enter your choice: ");
```

```
int choice = scanner.nextInt();
```

```
switch (choice) {  
case 1:  
bookTicket();  
break;  
case 2:  
viewAvailableSeats();  
break;  
case 3:  
System.out.println("Exiting program. Thank you!");  
System.exit(0);  
default:  
System.out.println("Invalid choice. Please enter a valid option.");  
}  
}  
}
```

```
private static void bookTicket() {  
if (availableSeats > 0) {  
System.out.print("Enter the number of tickets to book: ");  
Scanner scanner = new Scanner(System.in);  
int numTickets = scanner.nextInt();
```

```
if (numTickets > 0 && numTickets <= availableSeats) {  
System.out.println("Booking " + numTickets + " ticket(s)...");  
availableSeats -= numTickets;  
System.out.println("Booking successful. Enjoy your journey!");  
} else {  
System.out.println("Invalid number of tickets. Please enter a valid number.");  
}  
} else {  
System.out.println("Sorry, no available seats. The bus is fully booked.");  
}  
}
```

```
private static void viewAvailableSeats() {  
    System.out.println("Available seats: " + availableSeats);  
}  
}
```

[12/16, 21:26] Tamil Clg: 1. Book a ticket

2. View available seats

3. Exit

Enter your choice: 1

Enter the number of tickets to book: 3

Booking 3 ticket(s)...

Booking successful. Enjoy your journey!

1. Book a ticket

2. View available seats

3. Exit

Enter your choice: 2

Available seats: 47

1. Book a ticket

2. View available seats

3. Exit

Enter your choice: 1

Enter the number of tickets to book: 5

Invalid number of tickets. Please enter a valid number.

1. Book a ticket

2. View available seats

3. Exit

Enter your choice: 1

Enter the number of tickets to book: 2

Booking 2 ticket(s)...

Booking successful. Enjoy your journey!

1. Book a ticket

2. View available seats

3. Exit

Enter your choice: 2

Available seats: 45

1. Book a ticket

2. View available seats

3. Exit

Enter your choice: 3

Exiting program. Thank you!

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