# Event Booking & Ticket Validation API

## Objective

You need to build a backend that simulates an event booking platform. The system allows users to:

- Register / log in
- View and book events
- Validate tickets

Use in-memory arrays for all data (no DB). Authentication is handled via JWT tokens.

## Instructions

You must:

- Store all data in memory (let users = [], let events = [], etc.).
- Passwords can be stored in plain text (no hashing needed for this test).

## Routes to Implement

## 1. POST /auth/register

Registers a new user.

**Request:**
```
{
  "name": "rahul", "email": "rahul@gmail.com", "password": "123", "role": "organizer"
}
```
**Response:**
```
{
  "message": "User registered successfully",
  "userId": 1
}
```

## 2. POST /auth/login

**Request:**
```
{
  "email": "rahul@example.com",
  "password": "1234"
```

```
}
```

**Response:**

```
{
  "token": "eyJhbGciOiJIUzI1NiIsInR5..."
}
```

# 3. POST /events

Create a new event

**Request Body:**

```
{
  "name": "Tech Tournament",
  "date": "2025-12-01",
  "totalTickets": 50
}
```

**Response:**

```
{
  "message": "Event created successfully",
  "eventId": 1
}
```

# 4. GET /events

List all available events with remaining tickets.

**Response:**

```
[
  {
    "id": 1,
    "name": "Event 1",
    "date": "2025-12-01",
    "ticketsAvailable": 50
  }
]
```

# 5. POST /events/:id/book

Book a ticket for an event.

**Example Request:**

POST /events/1/book

**Response:**

```
{
  "message": "Ticket booked successfully",
```

```
    "ticketCode": "TCK-98217"
}
```

# 6. GET /my-bookings

Returns all tickets booked by the logged-in user.

**Response:**
```
[
  {
    "event": "Tech Tournament",
    "ticketCode": "TCK-98217",
    "validated": false
  }
]
```

# 7. POST /tickets/validate

Validate a ticket at the event entrance.

**Request:**
```
{
  "ticketCode": "TCK-98217"
}
```
**Response (if valid):**
```
{
  "message": "Ticket validated successfully",
  "event": "Tech Tournament",
  "userId": 1
}
```
**Response (if invalid or already validated):**
```
{
  "error": "Invalid or already validated ticket"
}
```
Note: Organizer can only validate tickets for their own events.

# 8. GET /events/:id/attendees

List all validated tickets for your event.

**Response:**
```
{
  "event": "Event 2",
  "attendees": [
    { "userId": 1, "ticketCode": "TCK-98217" }


  ]
}
```