MERN Stack Training
Company: Sensation Software Solutions
Student Name: Tajinder Kaur
Training Duration: 6 Months
Days: 47

Objective of the Day

The objective of Day 47 was to learn **JWT (JSON Web Token)** and implement **token-based authentication**.

Work Done on Day 47

The trainer introduced **JWT** and explained how tokens are used to maintain user sessions without storing data on the server.

JWT Structure

JWT was explained as consisting of:

- Header
- Payload
- Signature

The concept of token generation and verification was discussed step by step.

Token-Based Authentication Flow

The authentication flow included:

1. User logs in
2. Server verifies credentials
3. Token is generated
4. Token is sent to client
5. Token is used for future requests

Hands-on Practice

We practiced:

- Generating JWT tokens
- Sending tokens in headers
- Verifying tokens on protected routes

Conclusion

Day 47 helped in understanding **stateless authentication**, which is widely used in modern web applications.