

4)Diff between authorization and authentication

1. Purpose

- Authentication: Verifies the identity of a user or entity to ensure they are who they claim to be.
- Authorization: Determines the permissions and access levels a verified user or entity has within a system.

2. Process

- Authentication: Typically involves checking credentials like passwords, biometric data, or tokens.
- Authorization: Involves checking access rights and privileges, often using access control lists or role-based access controls.

3. Order

- Authentication: Always performed first to establish identity.
- Authorization: Performed after authentication to decide what the authenticated user is allowed to do.

4. Data Involvement

Authenticatio: Deals with credentials such as usernames, passwords, and biometric data.

- Authorization: Deals with permissions and rules that define what resources or functions the user can access.

5. Visibility

Authentication: Often visible to the user, as it requires their input to verify identity.

- Authorization: Typically transparent to the user; it works in the background once authentication is completed