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## Practical-5

Aim: Study and implementation of identity management.

Theory:

- Identity management (ID management) is the organizational process for identifying, authenticating and authorizing individuals or groups of people to have access to applications, systems or networks by associating user rights and restrictions with established identities. The managed identities can also refer to software processes or that need access to organizational systems.
- Identity management includes authenticating users and determining whether they're allowed access to particular systems. ID management works hand-in-hand with identity access management systems. Identity management is focused on authentication, while access management is aimed at authorization.
- ID management determines whether a user has access to systems, but also sets the level of access and



permissions a user has on a particular system. For instance, a user may be authorized to access a system but be restricted from some of its components.

- The main goal of identity management is the stage to ensure that only authenticated users are granted access to the specific applications, systems or IT environments for which they are authorized. This includes control over user control over user provisioning and the process of onboarding new users such as employees, partners, clients and other stakeholders.

Identity management also includes control over the process of authorizing system or network permissions for existing users and the offboarding of users who are no longer authorized to access organization systems.