


**EXERCISE 3****IDENTITY and ACCESS MANAGEMENT AIM:**

To understand the concepts of identification, authentication, authorization, accounting (IAAA), and identity management, which are essential for securing systems and managing user access.



## Identity and Access Management

Learn about identification, authentication, authorisation, accounting, and identity management.

Easy 120 min

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Task 1 Introduction

Task 2 IAAA Model

Task 3 Identification

Task 4 Authentication

Task 5 Authorisation and Access Control

Task 6 Accountability and Logging

Task 7 Identity Management

Task 8 Attacks Against Authentication

Task 9 Access Control Models

Task 10 Single Sign-On

Task 11 Scenarios

Task 12 Conclusion

Answer the questions below

You are granted access to read and send an email. What is the name of this process?

Authorisation Correct Answer

Which process would require you to enter your username?

Identification Correct Answer

Although you have write access, you should only make changes if necessary for the task. Which process is required to enforce this policy?

Accountability Correct Answer

Answer the questions below

What does SSO stand for?

Single Sign-On

✓ Correct Answer

Does SSO simplify MFA use as it needs to be set up once? (Yea/Nay)

Yea

✓ Correct Answer

Is it true that SSO can be cumbersome as it requires the user to remember and input different passwords for the various services? (Yea/Nay)

Nay

✓ Correct Answer

Does SSO allow users to access various services after signing in once? (Yea/Nay)

Yea

✓ Correct Answer

Does the user need to create and remember a single password when using SSO? (Yea/Nay)

Yea

✓ Correct Answer

Answer the questions below

Click on **View Site** and follow the exercise to get a flag.

{THM\_ACCESS\_CONTROL}

✓ Correct Answer

## RESULT:

Successfully learned how identification, authentication, and authorization work together to control access, how accounting tracks user activities, and the role of identity management in maintaining security and compliance.