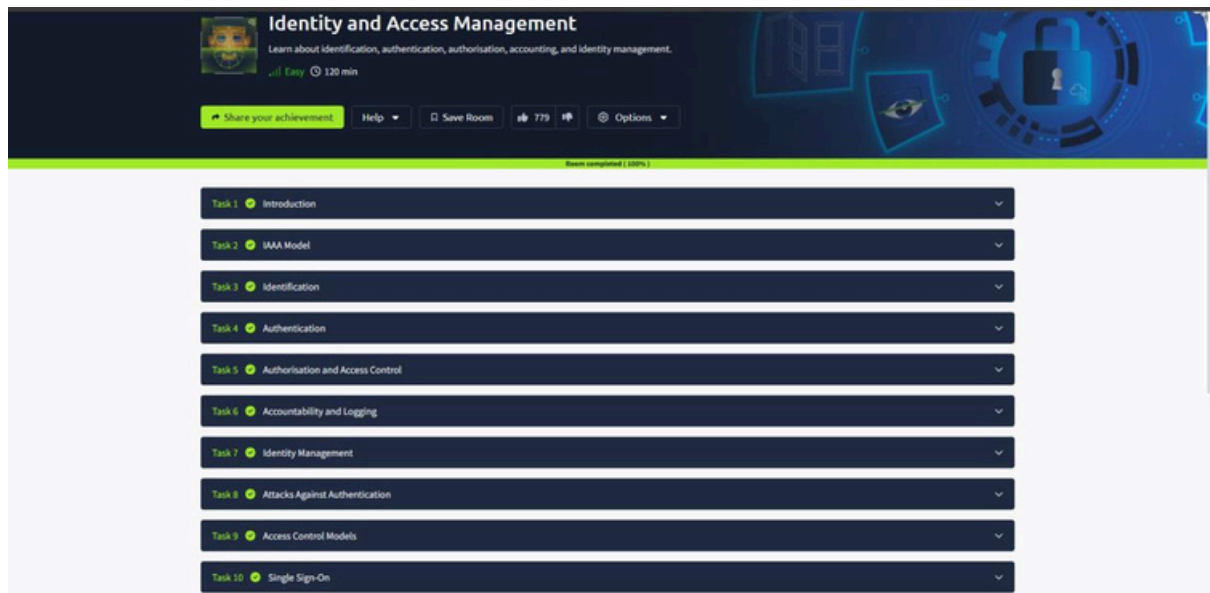EX.NO: 3   Explore Identity and Access Management

DATE : 19.02.2025

AIM :

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

TASK 2 : IAAA MODEL

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

TASK 3 : IDENTIFICATION

Which of the following **cannot** be used for identification?

1. Email address
2. Mobile number with international code
3. Year of birth
4. Passport number

| 3 | ✓ Correct Answer |

Which of the following **cannot** be used for identification?

1. Landline phone number
2. Street number
3. Health insurance card number
4. Student ID number

| 2 | ✓ Correct Answer |

TASK 4 : AUTHENTICATION

When you want to check your email, you enter your username and password. What kind of authentication is your email provider using?

| 1 | ✓ Correct Answer |

Your bank lets you finish most of your banking operations using its app. You can log in to your banking app by providing a username and a password and then entering the code received via SMS. What kind of authentication is the banking app using?

| 4 | ✓ Correct Answer |

Your new landline phone system at home allows callers to leave you a message when the call is not picked up. You can call your home number and enter a secret number to listen to recorded messages. What kind of authentication is being used here?

| 1 | ✓ Correct Answer |

You have just started working at an advanced research centre. You learned that you need to swipe your card and enter a four-digit PIN whenever you want to use the elevator. Under which group does this authentication fall?

| 4 | ✓ Correct Answer |

TASK 5 : AUTHORISATION AND ACCESS CONTROL

The new policy states that the secretary should be able to send an email on the manager's behalf. What is this policy dictating?

| 1 | ✓ Correct Answer |

You shared a document with your colleague and gave them view permissions so they could read without making changes. What would ensure that your file won't be modified?

| 2 | ✓ Correct Answer |

The hotel management decided that the cleaning staff needed access to all the hotel rooms to do their work. What phase is this decision part of?

| 1 | ✓ Correct Answer |

TASK 6 : ACCOUNTABILITY AND LOGGING

TASK 7 : IDENTITY MANAGEMENT

What does IdM stand for?

| Identity Management | ✓ Correct Answer |

What does IAM stand for?

| Identity and Access Management | ✓ Correct Answer |

TASK 8 : ATTACKS AGAINST AUTHENTICATION

The attacker could authenticate using the user's response when the authentication protocol required a password encrypted with a shared key. What is the name of the attack?

| Replay Attack | ✓ Correct Answer |

TASK 9 : ACCESS CONTROL MODELS

You are sharing a document via a network share and giving edit permission only to the accounting department. What example of access control is this?

| 2 | ✓ Correct Answer |

You published a post on a social media platform and made it only visible to three out of your two hundred friends. What kind of access control did you use?

| 1 | ✓ Correct Answer |

TASK 10 : SINGLE SIGN-ON

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

TASK 11 : SCENARIOS

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

{THM_ACCESS_CONTROL}

CONCLUSION:
Tryhackme platform Explore Identity and Access Management task is successfully completed