

EX.NO: 2

Security Models and Principles

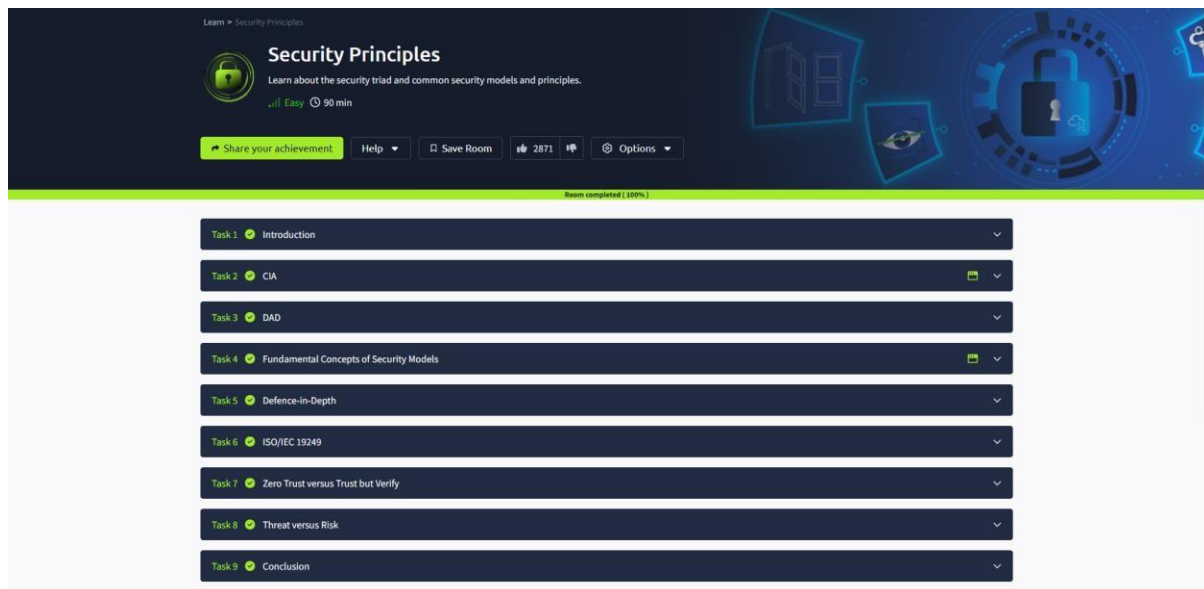
ROLL NO : 231901051

DATE : 12.02.2025

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AIM:

To study about the security triad and common security models and principles.



TASK 2 : CIA:

Click on "View Site" and answer the five questions. What is the flag that you obtained at the end?

THM{CIA_TRIAD}

✓ Correct Answer

💡 Hint

TASK 3 : DAD:

The attacker managed to gain access to customer records and dumped them online. What is this attack?

Disclosure

✓ Correct Answer

A group of attackers were able to locate both the main and the backup power supply systems and switch them off. As a result, the whole network was shut down. What is this attack?

Destruction/Denial

✓ Correct Answer

TASK 4 : FUNDAMENTAL CONCEPTS OF SECURITY MODELS

Click on "View Site" and answer the four questions. What is the flag that you obtained at the end?

THM{SECURITY_MODELS}

✓ Correct Answer

TASK 5 : DEFENCE-IN-DEPTH

TASK 6 : ISO/IEC 19249

Which principle are you applying when you turn off an insecure server that is not critical to the business?

2

✓ Correct Answer

Your company hired a new sales representative. Which principle are they applying when they tell you to give them access only to the company products and prices?

1

✓ Correct Answer

While reading the code of an ATM, you noticed a huge chunk of code to handle unexpected situations such as network disconnection and power failure. Which principle are they applying?

5

✓ Correct Answer

TASK 7 : ZERO TRUST VERSUS TRUST BUT VERIFY

TASK 8 : THREAT VERSUS RISK

Conclusion:

Thus the study about security triad and common security models and principles has been successfully completed .