EXP NO:02

DATE:19:02:2025

SECURITY PRINCIPLE

AIM:

Learn about the security triad and common security models and principles.

PROCEDURE:

Task 1: Introduction
Task 2: CIA
Task 3: DAD
Task 4: Fundamental Concepts of Security Models
Task 5: Defence-in-Depth
Task 6: ISO/IEC 19249
Task 7: Zero Trust versus Trust but Verify
Task 8: Threat versus Risk
Task 9: Conclusion

Task 1:

Answer the questions below

Think how you would describe something as secure.

No answer needed   ✓ Correct Answer

Task 2:

Answer the questions below

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:

Answer the questions below

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:

NAME: HARINI.D.S   **ROLL NO: 231901009**

Answer the questions below

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:

Answer the questions below

Make sure you have read the above.

| No answer needed | ✓ Correct Answer |

Task 6:

Answer the questions below

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:

Answer the questions below

Make sure you have read the above.

| No answer needed | ✓ Correct Answer |

Task 8:

Answer the questions below

Make sure you have read the above.

No answer needed   ✓ Correct Answer

Task 9:

Answer the questions below

Make sure you have taken notes of all the key terms and acronyms we covered in this room.

No answer needed   ✓ Correct Answer

RESULT:

Thus the security principles successfully completed in tryhackme platform.