## Security Principles

**EX-NO:02**

**DATE:19:02:2025**

**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:

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 carnage successfully completed in tryhackme platform.