

## Introduction to Antivirus

EX-NO-10

**AIM:**

Understand how antivirus software works and what detection techniques are used to bypass malicious file checks.

**PROCEDURE:**

- Task 1 Introduction
- Task 2 Antivirus Software
- Task 3 Antivirus Features
- Task 4 Deploy the VM
- Task 5 AV Static Detection
- Task 6 Other Detection Techniques
- Task 7 AV Testing and Fingerprinting
- Task 8 Conclusion

**Task 1 Introduction :**

Answer the questions below

Let's get started!

No answer needed

✓ Correct Answer

**Task 2 Antivirus Software :**

Answer the questions below

What does AV mean?

Antivirus

✓ Correct Answer

Which PC Antivirus vendor implemented the first AV software on the market?

McAfee

✓ Correct Answer

Antivirus software is a \_\_\_\_-based security solution.

Host

✓ Correct Answer

**Task 3 Antivirus Features :**

## Answer the questions below

Which AV feature analyzes malware in a safe and isolated environment?

An \_\_\_\_\_ feature is a process of restoring or decrypting the compressed executable files to the original.

Read the above to proceed to the next task, where we discuss the AV detection techniques.

## Task 4 Deploy the VM :

## Answer the questions below

Once you've deployed the VM, it will take a few minutes to boot up. Then, progress to the next task!

## Task 5 AV Static Detection :

## Answer the questions below

What is the `sigtool` tool output to generate an MD5 of the `AV-Check.exe` binary?

Use the strings tool to list all human-readable strings of the AV-Check binary. What is the flag?

## Task 6 Other Detection Techniques :

## Answer the questions below

Which detection method is used to analyze malicious software inside virtual environments?

## Task 7 AV Testing and Fingerprinting :

## Answer the questions below

For the C# AV fingerprint, try to rewrite the code in a different language, such as Python, and check whether VirusTotal flag it as malicious.

Read the Above!

## Task 8 Conclusion :

Answer the questions below

Congrats on completing the room, and keep learning!

No answer needed

✓ Correct Answer

## RESULT:

Thus the Introduction To Antivirus is completed using tryhackme platform.