EX.NO: 1.C   **WINDOWS FUNDAMENTALS 3**   ROLL NO : 231901035
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Aim:

To learn how built-in Microsoft tools like **Windows Updates, Windows Security, BitLocker, and VSS** help keep a device secure.

Procedure:

1. **Update Windows via Windows Update**
   Check for and install the latest updates to ensure the system receives critical security patches.

2. **Use Windows Security Dashboard**
   Access and review the Windows Security interface to monitor potential threats and system health.

3. **Run Virus & Threat Protection Scans**
   Perform quick or full scans to detect and remove malware or potentially unwanted software.

4. **Configure Firewall & Network Protection**
   Ensure the firewall is active and properly configured to prevent unauthorized access.

5. **Enable SmartScreen in App & Browser Control**
   Activate Microsoft Defender SmartScreen to block unrecognized apps and malicious sites.

6. **Check Device Security Settings**
   Review security processor, secure boot, and other device security components for compliance and protection.

7. **Encrypt Drives Using BitLocker**
   Enable BitLocker encryption on system and external drives to protect data from unauthorized access.

8. **Use Volume Shadow Copy Service (VSS)**
   Understand and utilize VSS for system restore points and backup versions of files.

Windows Fundamentals 3

In part 3 of the Windows Fundamentals module, learn about the built-in Microsoft tools that help keep the device secure, such as Windows Updates, Windows Security, BitLocker, and more...

📖 Info 🕐 30 min

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Task 1 ✓	Introduction	☰ ⌄
Task 2 ✓	Windows Updates	⌄
Task 3 ✓	Windows Security	⌄
Task 4 ✓	Virus & threat protection	⌄
Task 5 ✓	Firewall & network protection	⌄
Task 6 ✓	App & browser control	⌄
Task 7 ✓	Device security	⌄
Task 8 ✓	BitLocker	⌄
Task 9 ✓	Volume Shadow Copy Service	⌄
Task 10 ✓	Conclusion	⌄

TASK 2 : WINDOWS UPDATES

There were two definition updates installed in the attached VM. On what date were these updates installed?

5/3/2021   ✓ Correct Answer

TASK 3 : WINDOWS SECURITY

Checking the Security section on your VM, which area needs immediate attention?

Virus & threat protection   ✓ Correct Answer

TASK 4 : VIRUS AND THREAT PROTECTION

Specifically, what is turned off that Windows is notifying you to turn on?

Real-time protection   ✓ Correct Answer

TASK 5 : FIREWALL AND NETWORK PROTECTION

If you were connected to airport Wi-Fi, what most likely will be the active firewall profile?

Public network	✓ Correct Answer	⍥ Hint

TASK 6 : APP AND BROWSER CONTROL

TASK 7 : DEVICE SECURITY

What is the TPM?

Trusted Platform Module	✓ Correct Answer

TASK 8 : BITLOCKER

We should use a removable drive on systems **without** a TPM version 1.2 or later. What does this removable drive contain?

startup key	✓ Correct Answer	⍥ Hint

TASK 9 : VOLUME SHADOWS COPY SERVICE

What is VSS?

Volume Shadow Copy Service	✓ Correct Answer

Result:
    TryHackMe platform **Windows Fundamentals 3** tasks have been successfully completed.