

LAB 5 - Software and Hardware Maintenance

Date: 20/2/2025

Group: ITA

Members: Ulric Aird Tyler Modeste Londel Pope Lennon Joseph

Running the Disk Cleanup Program

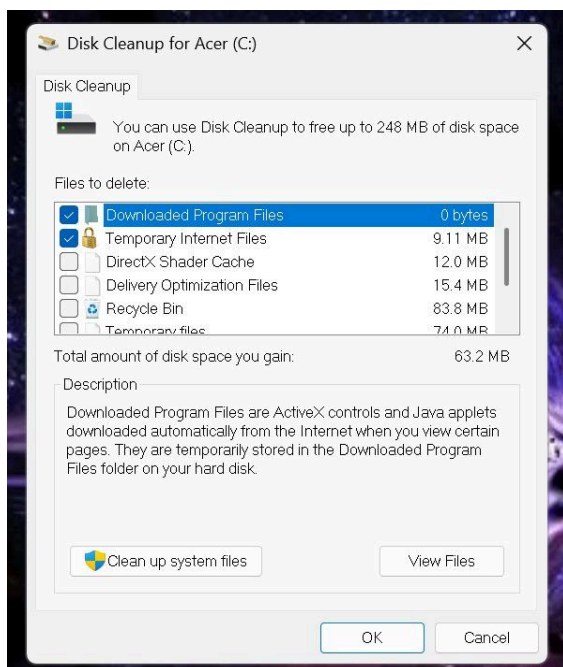
The Disk Cleanup program frees up space on your hard drive by removing temporary and unused files (such as Temporary Internet Files, files in the Recycle Bin, and system cache files). You can run Disk Cleanup manually or set it up to run automatically.

Windows 10/11:

1. Open the Start menu and type "Disk Cleanup" in the search bar.
2. Select "Disk Cleanup" from the results.
3. Choose the drive you want to clean (typically C:).
4. Select the files you want to delete and click OK.

Question 1: Which drive did you select? C: Drive

State how much disk space was saved: 63.2 MB



Removing Unused Programs

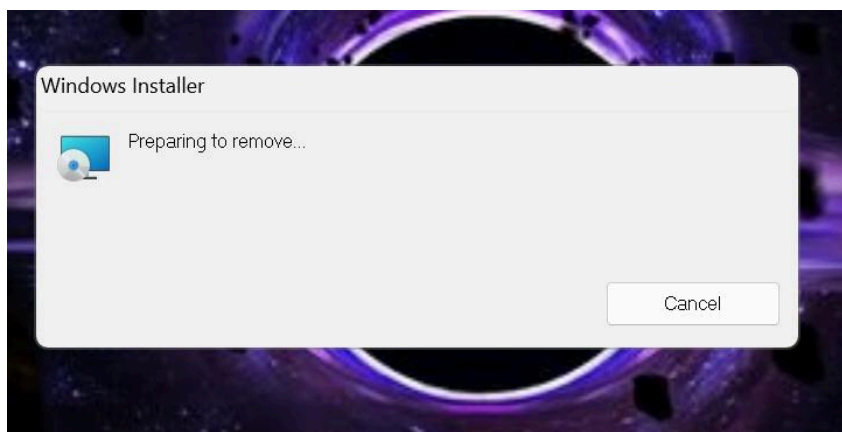
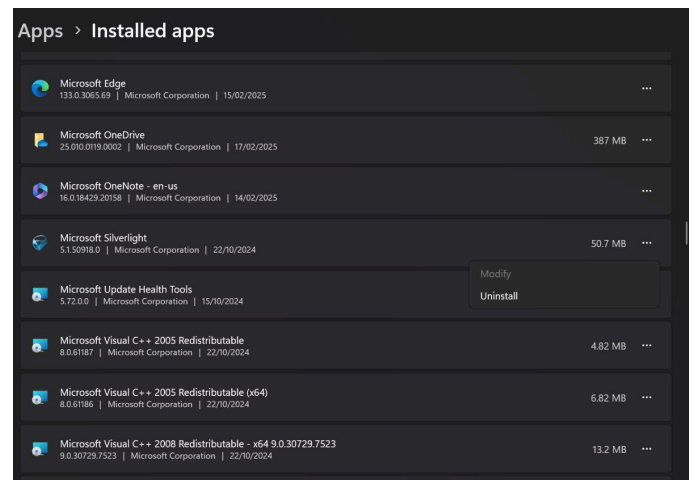
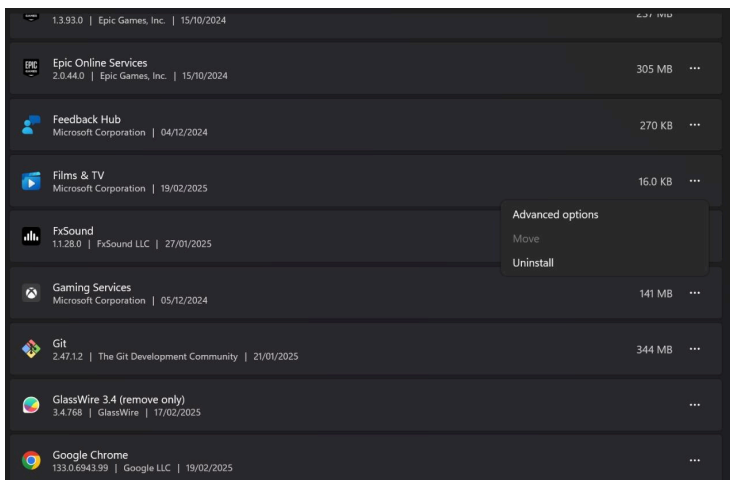
Over time, unnecessary programs accumulate, taking up valuable space and resources. Removing them improves performance.

Windows 10/11:

1. Open "Settings" from the Start menu.
2. Navigate to "Apps" > "Installed apps" (Windows 11) or "Apps & features" (Windows 10).
3. Locate the program you want to uninstall and click "Uninstall."

Question 2: Download and install two new programs. Uninstall two programs

List them: Films & TV and Microsoft Silverlight



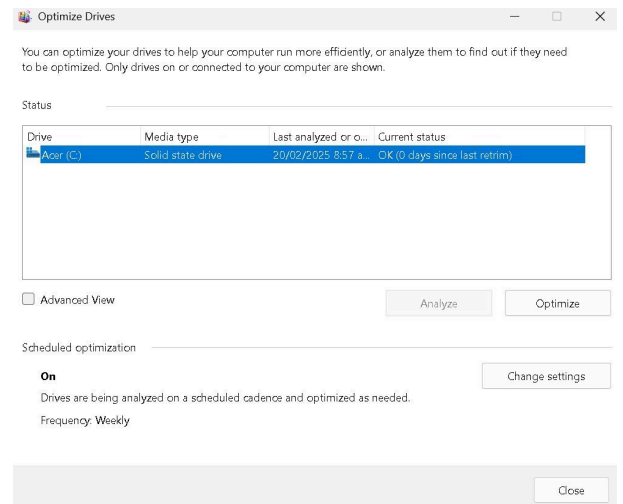
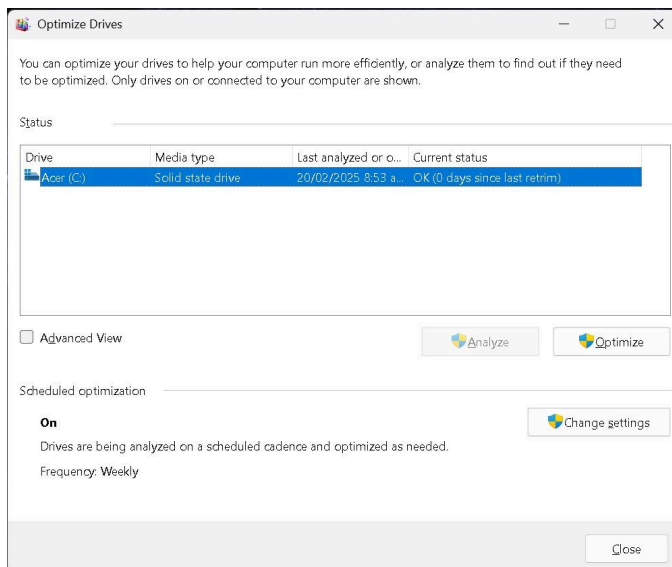
Running the Disk Defragmenter Program

Defragmentation organizes fragmented files, making your computer run more efficiently.

Windows 10/11:

1. Type "Defragment and Optimize Drives" in the Start menu.
2. Select the drive to optimize and click "Optimize."

Question 3: Which drive was selected? C: Drive. How fragmented was the drive before optimization? 99%



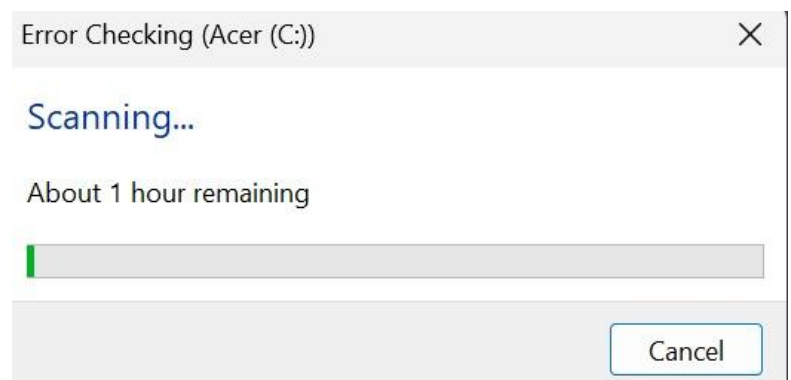
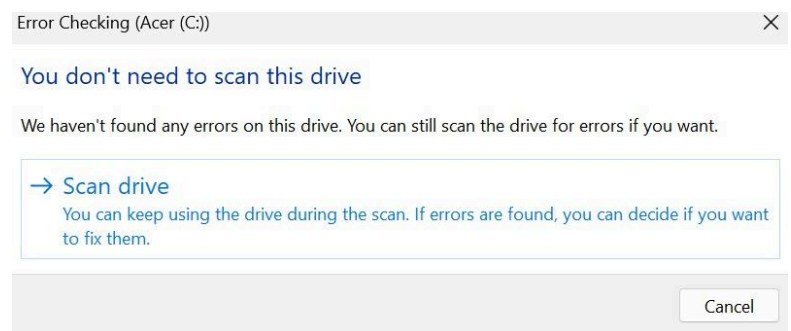
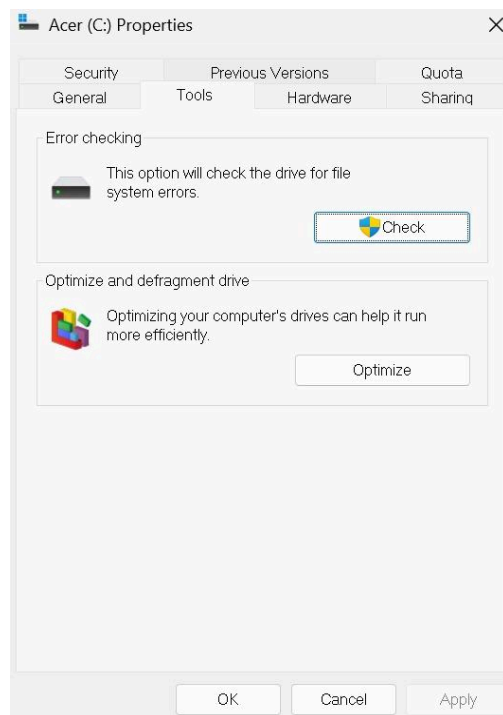
Checking for Hard Disk Errors

Checking the hard disk for errors ensures the integrity of your system.

Windows 10/11:

1. Open "This PC."
2. Right-click the drive you want to check and select "Properties."
3. Under the "Tools" tab, click "Check" under "Error checking."

Question 4: State the results of the disk check: No Errors was Found



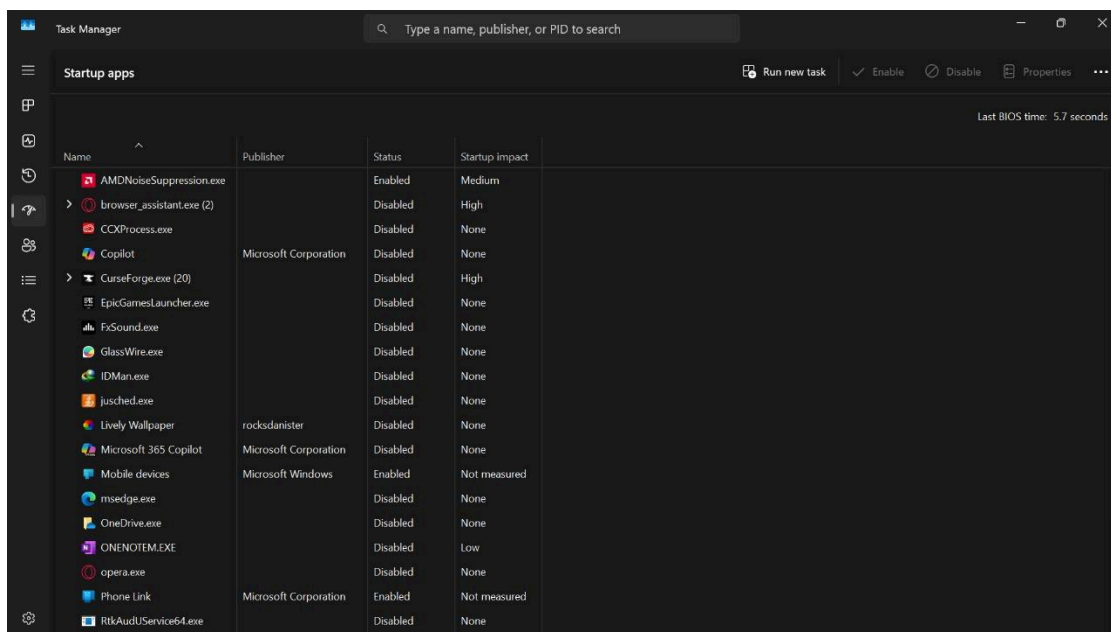
Managing Startup Programs

Too many startup programs can slow down your system.

Windows 10/11:

1. Press Ctrl + Shift + Esc to open Task Manager.
2. Click on the "Startup" tab.
3. Right-click on unnecessary programs and choose "Disable."

Question 5: List a startup program you disabled: CurseForge. After rebooting, is the program icon still in the taskbar? NO.



Checking Windows Updates & Updating Applications

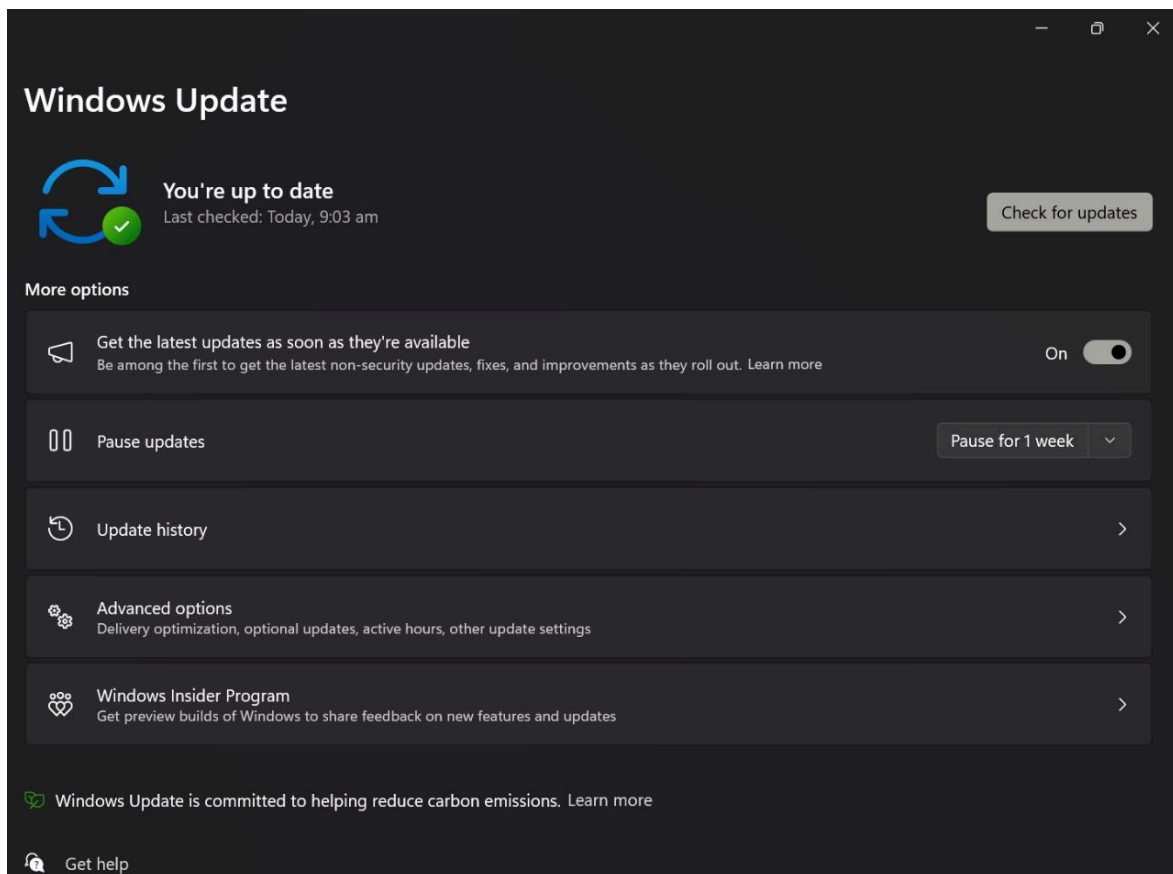
Regular updates keep your system secure and running efficiently.

Windows 10/11:

1. Open "Settings" > "Update & Security" > "Windows Update."
2. Click "Check for updates."

Question 6: Perform any two software updates. State which you did:

No Updates were available



Cleaning Internal Computer Components

Checklist: (Tick the box)

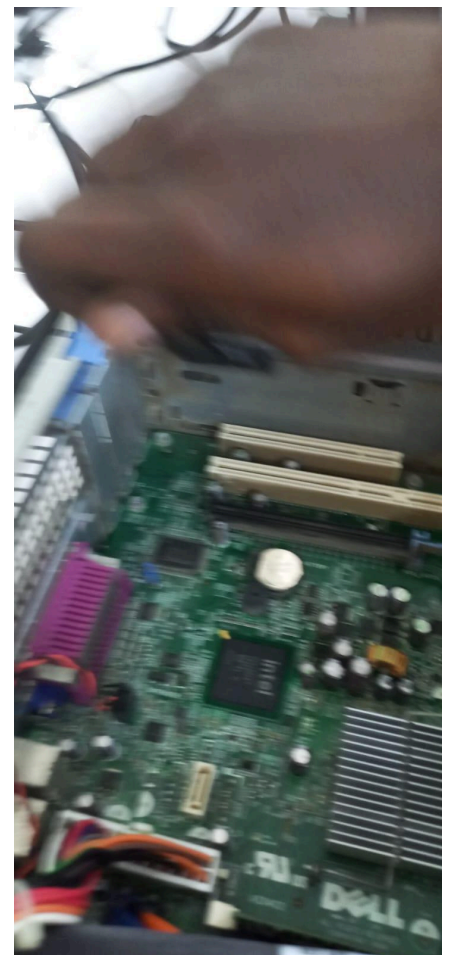
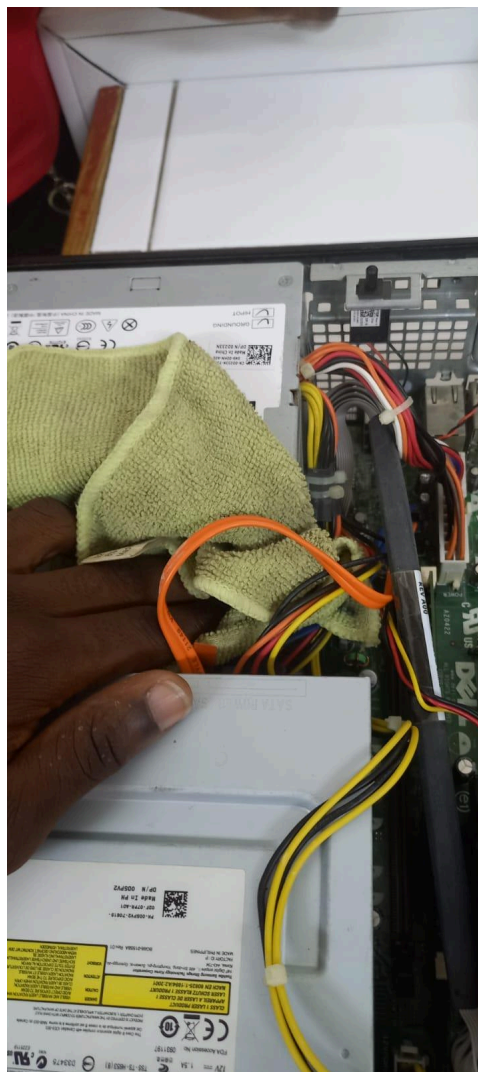
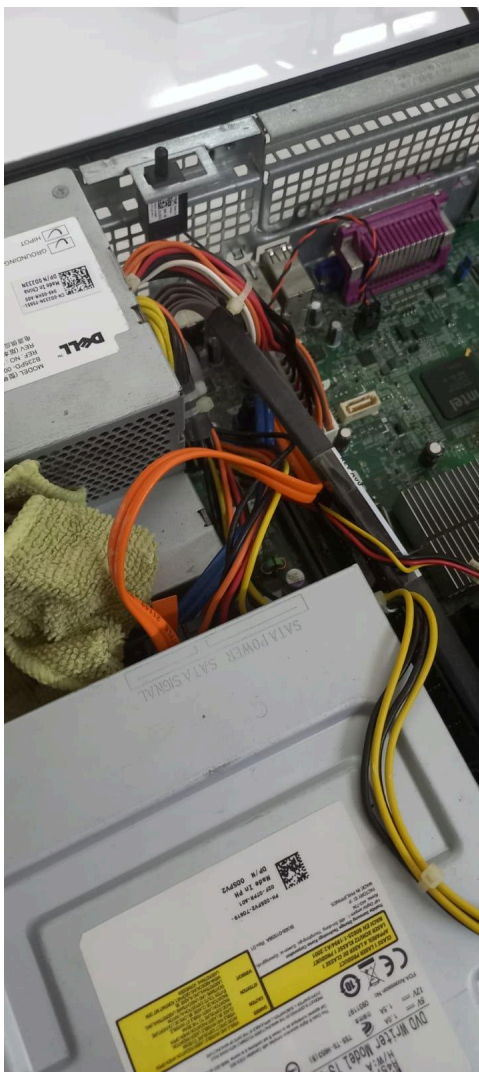
- ☒ Dust removed
- ☐ No loose parts - Hard Drive was a little loose.
- ☒ Airflow is okay
- ☒ Cables are secure
- ☒ Fans are operating correctly
- ☒ No unusual noise
- ☒ Monitor, keyboard, and mouse cleaned

Question 7: State necessary tools for cleaning hardware components:

Cloth

Brush

Air Blower and Duster



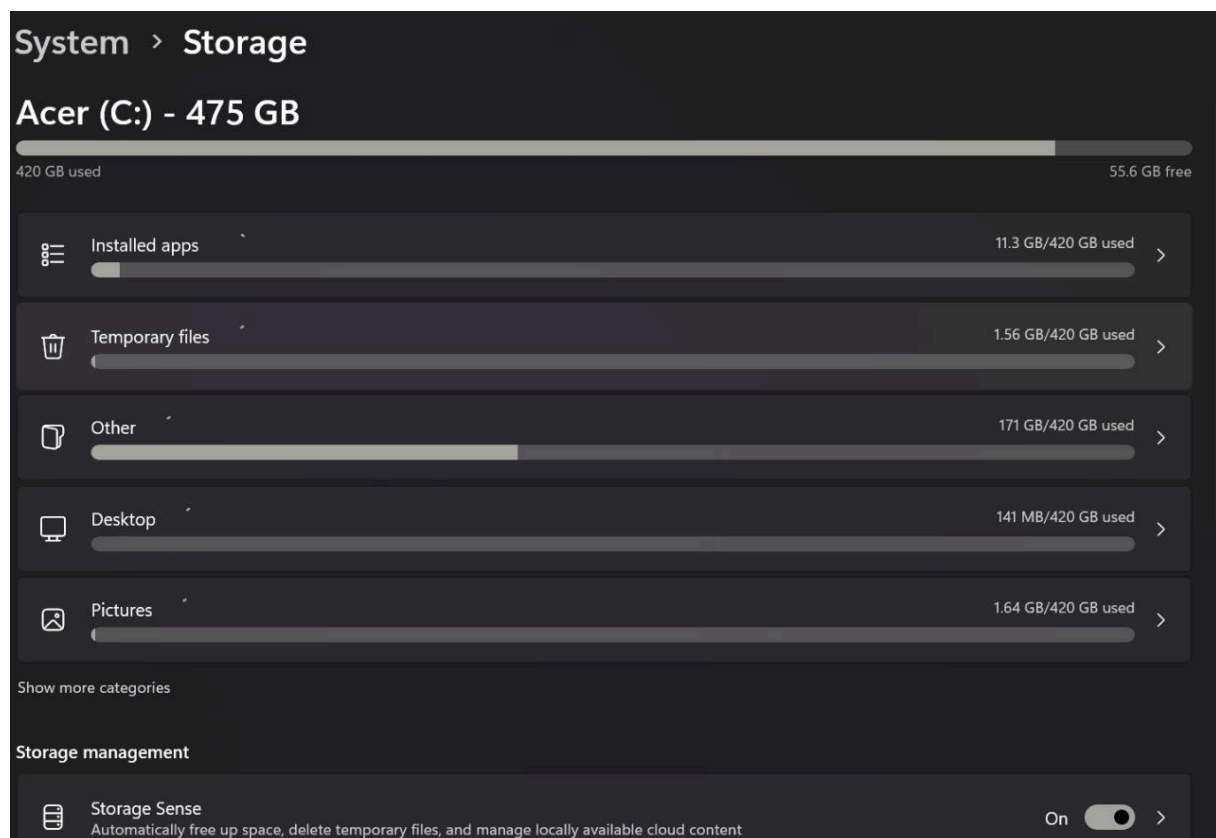
Checking Hard Drive Space

Windows 10/11:

1. Open "Settings" > "System" > "Storage."
2. Check space usage on local drives.

Question 8: State the following in GB:

- Used Space: 420 GB
- Free Space: 55.6 GB
- Total Capacity: 475 GB
- Percentage of free space: 11.7%



Backing Up Files (Optional)

Windows 10/11:

1. Open "Settings" > "Update & Security" > "Backup."
2. Choose "Add a drive" and select an external device.

Question 9:

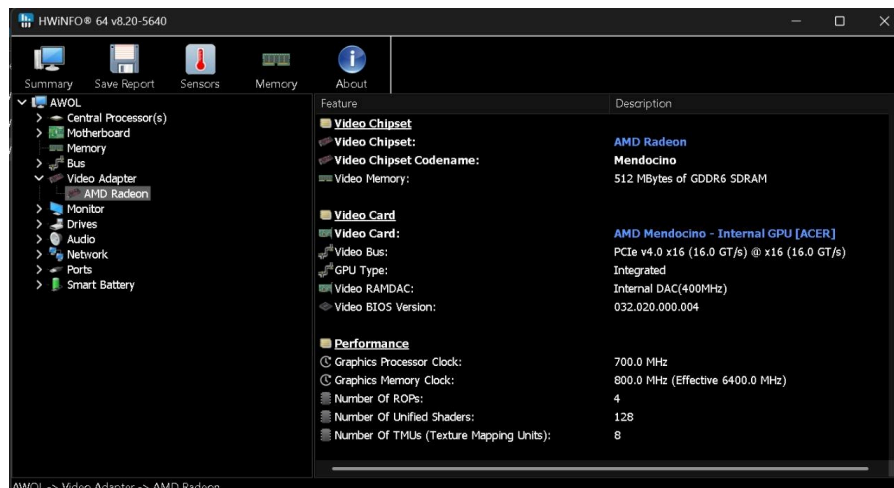
- What storage device was used?
- What is the size of your backup folder?

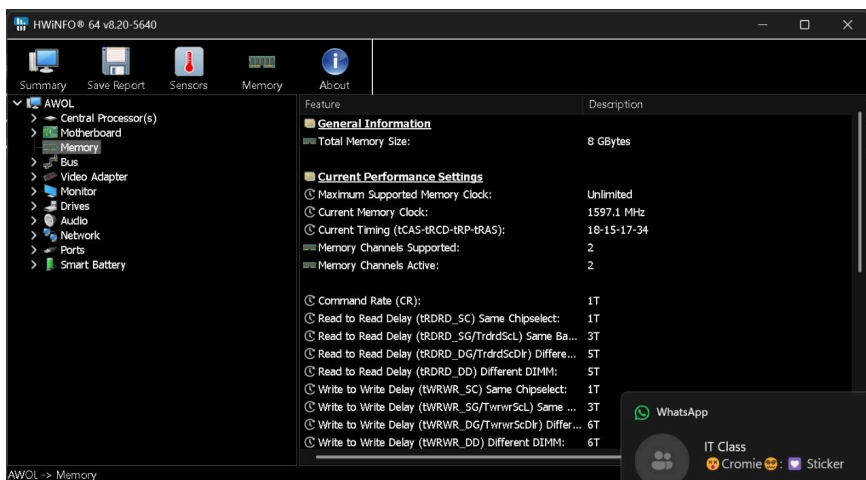
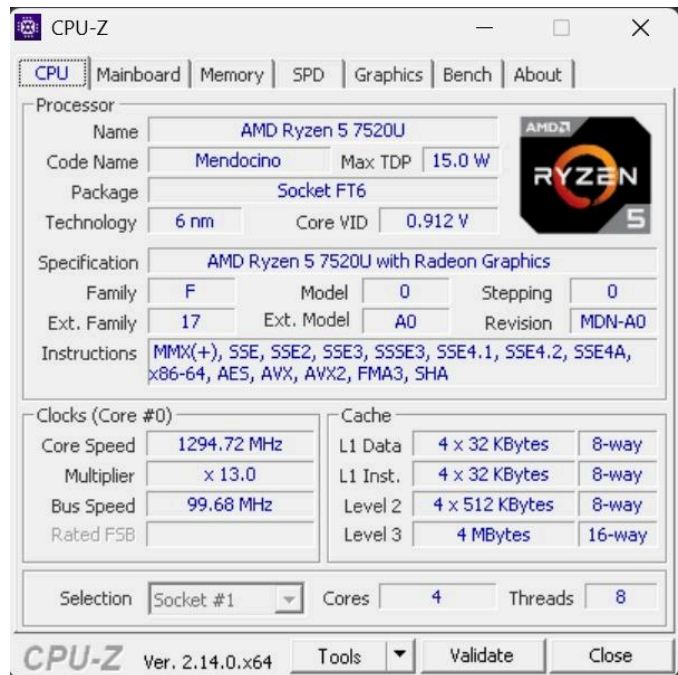
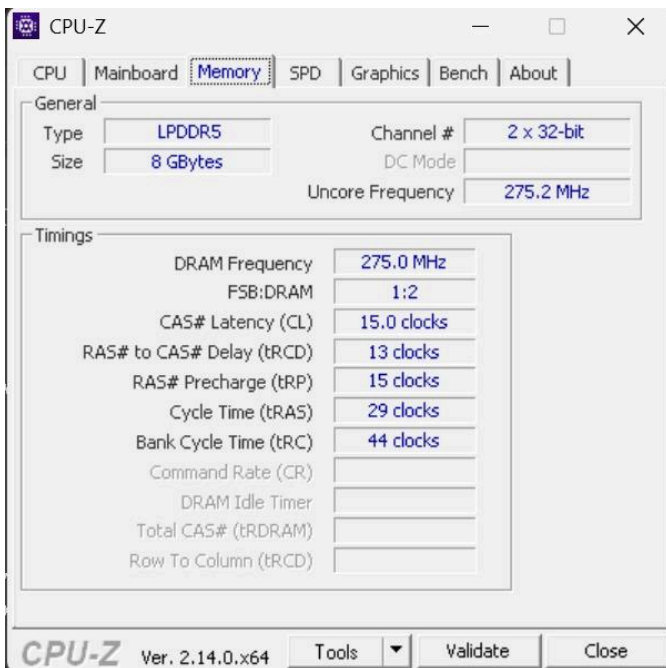
Checking System Information

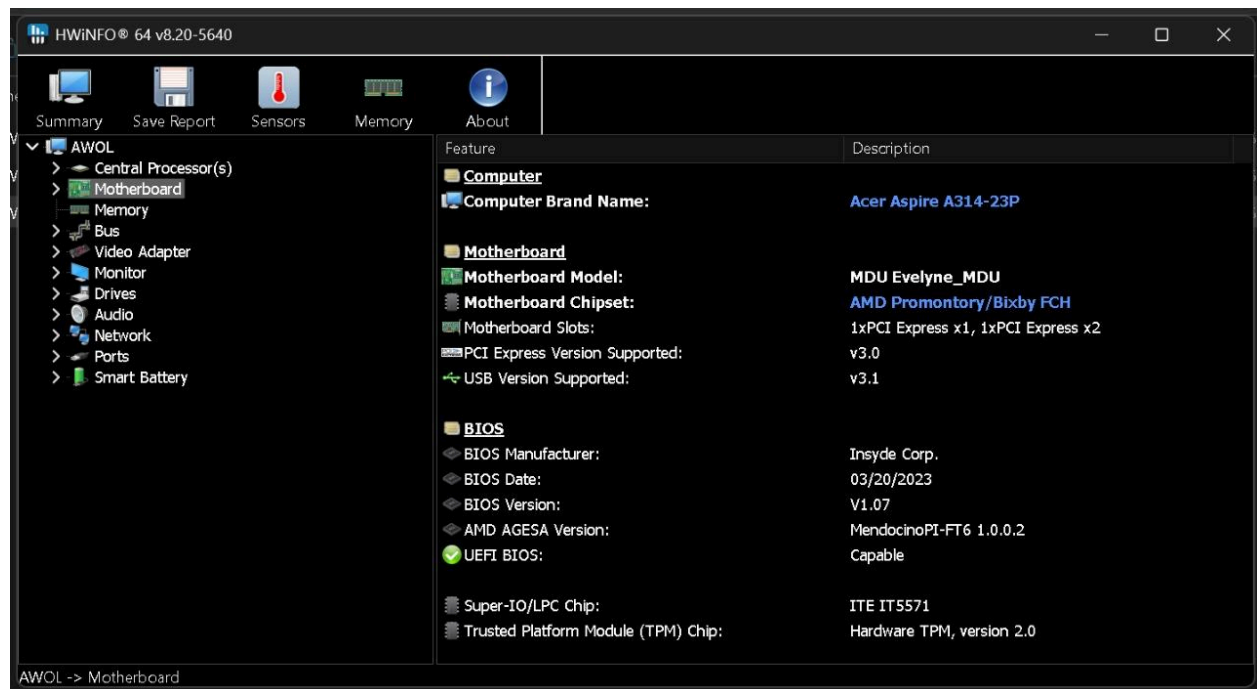
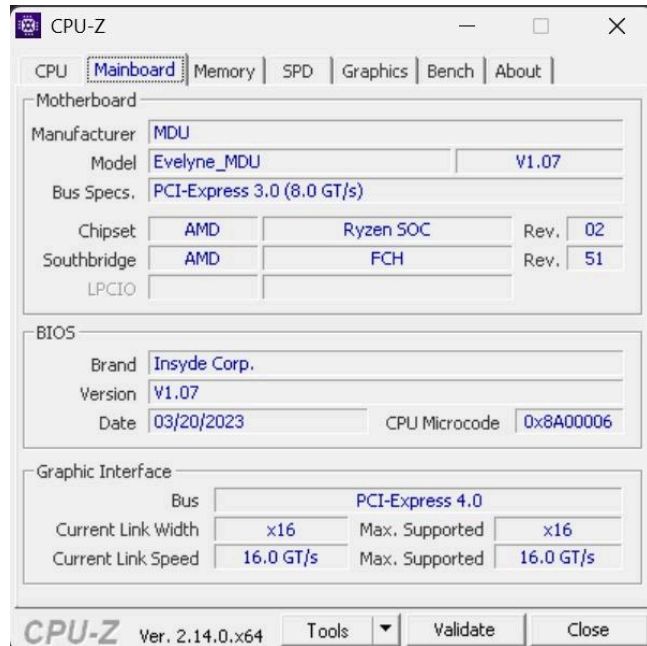
Download and run **CPU-Z** or **HWiNFO** to gather system details.

Question 10:

- Motherboard Model: Evelyne MDU
- Total Memory Size: 8GB
- CPU Type and Socket: AMD Ryzen 5 7520U and Socket FT6
- Adapter Card Type and Capacity: AMD Radeon and 512 MB







Checking Antivirus Protection

Windows 10/11:

1. Open "Windows Security" from the Start menu.
2. Click "Virus & threat protection" and check the update status.
3. Run a full scan.

Question 11:

- Is the antivirus up to date? Yes
- If not, did you update it?
- Name of the antivirus installed: Windows Security
- Scan results: No Threats Found

