

Title: Identify if the file or url has any virus in it.

Description: In this activity, students will learn how to check whether a file or a website is safe or infected with a virus. **VIRUSTOTAL** is a free online scanning tool that analyzes suspicious files and URLs using 60+ antivirus engines.

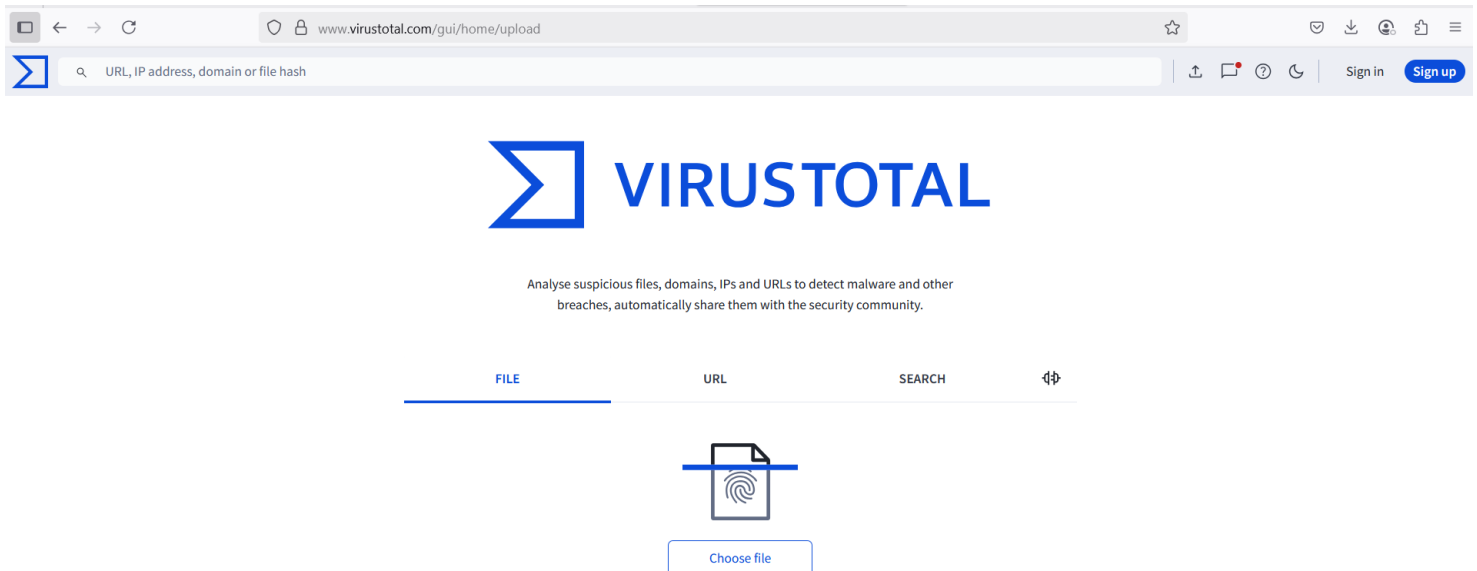
Purpose: To help students:

- Learn how to check a file or website for malware/viruses before opening it.
- Use a simple online tool like VIRUSTOTAL for safe computing habits.
- Understand how antivirus engines work together to detect threats.

Steps:

1. Open VirusTotal Website:

- Open any web browser (like Chrome, Firefox, etc.).
- In the address bar, type: www.virustotal.com and press Enter.
- It should open virustotal website's homepage



2. Choose what you want to:

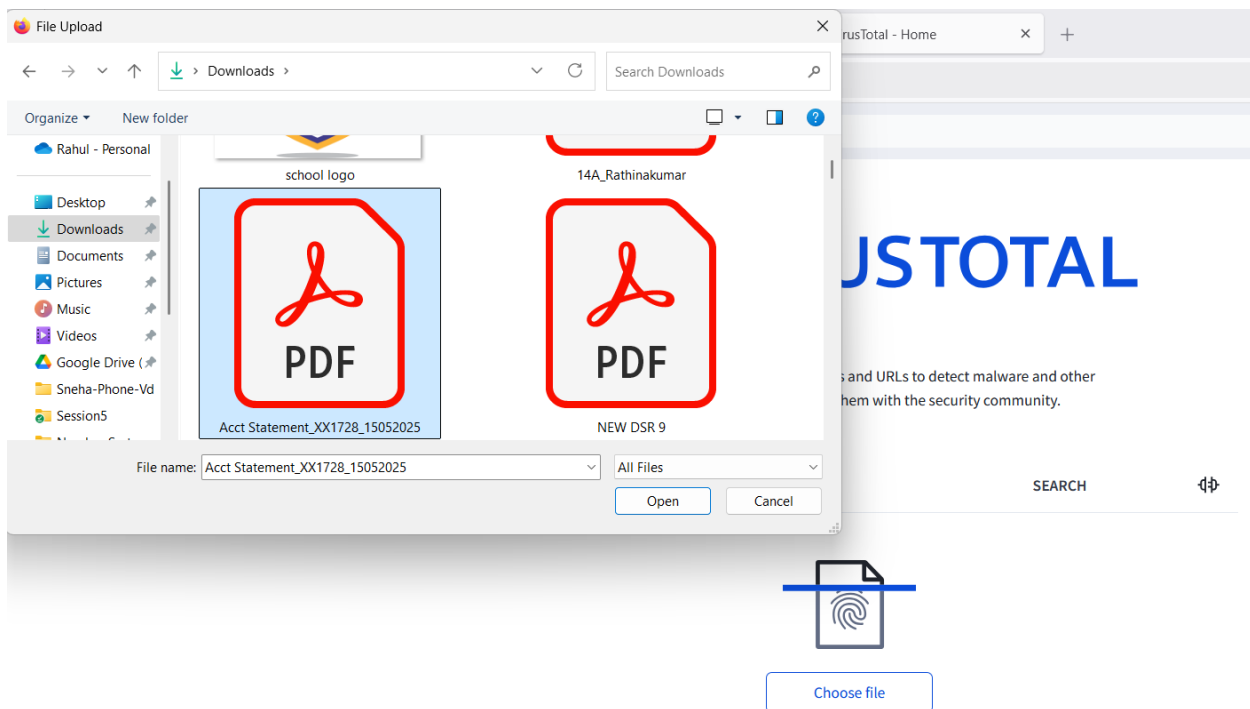
It offers following three types of scans

Scan Type	Use Case Example
 File	To scan a file saved on your computer (e.g., invoice.pdf , game.exe)
 URL	To check whether a website is safe (e.g., http://suspicious-site.com)
 Search	To search details of previously scanned files or links

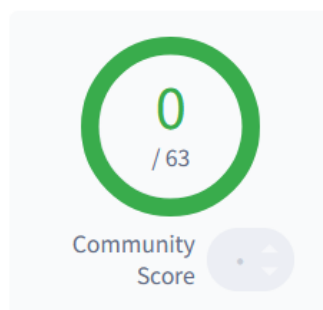
Part A: Check if existing file on your computer has a virus

Steps:

1. Click on the **“Choose file”** button.
2. Select any file from your computer (for example: test.exe or invoice.pdf).
3. Upon selection click Open or Ok.



4. Click on **“Confirm upload”** to start the scan.
5. Upon completion, it should provide with scan results.



✓ No security vendors flagged this file as malicious

17452ca3f1423f6eb4185824916134a18ab91f08866cde0e9ac80fd9fb0e3dce

Acct Statement_XX1728_15052025.pdf

pdf encrypted

Part B: Check if any website has a virus

Steps:

1. Click on the “**URL**” tab.
2. Write or Enter website url you want to test (for example: www.icodeit.com).

FILE

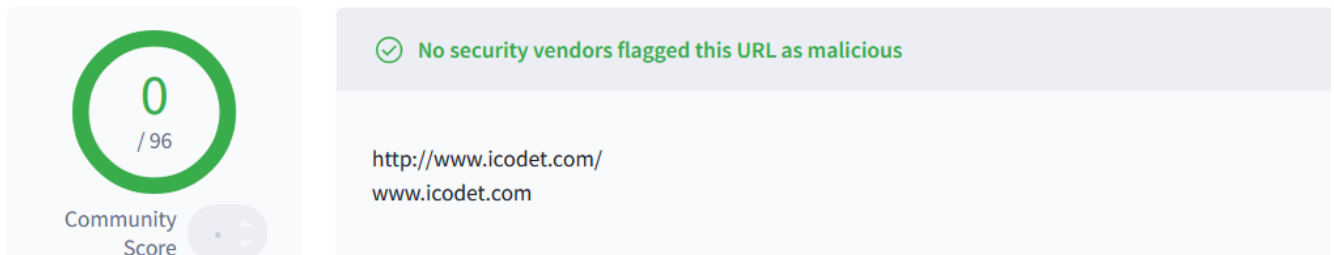
URL

SEARCH



Search

3. Click the **search icon** or press **Enter**.
4. Upon completion, it should provide with scan results.



Part C: Result Interpretation

After scanning a file or URL using VirusTotal, here is how to interpret the result.

Detection Count	Meaning	Action
0 – 1	Very likely safe	You can open it.
2 – 7	Possibly suspicious	Exercise caution before opening.
7+	Highly dangerous or confirmed malware	Do not open; remove immediately.

Important Note

- ✗ Never upload personal or sensitive files to VIRUSTOTAL.
- ✓ Always scan unknown software before downloading.
- 🔍 For deeper analysis, combine with tools like Sandbox.