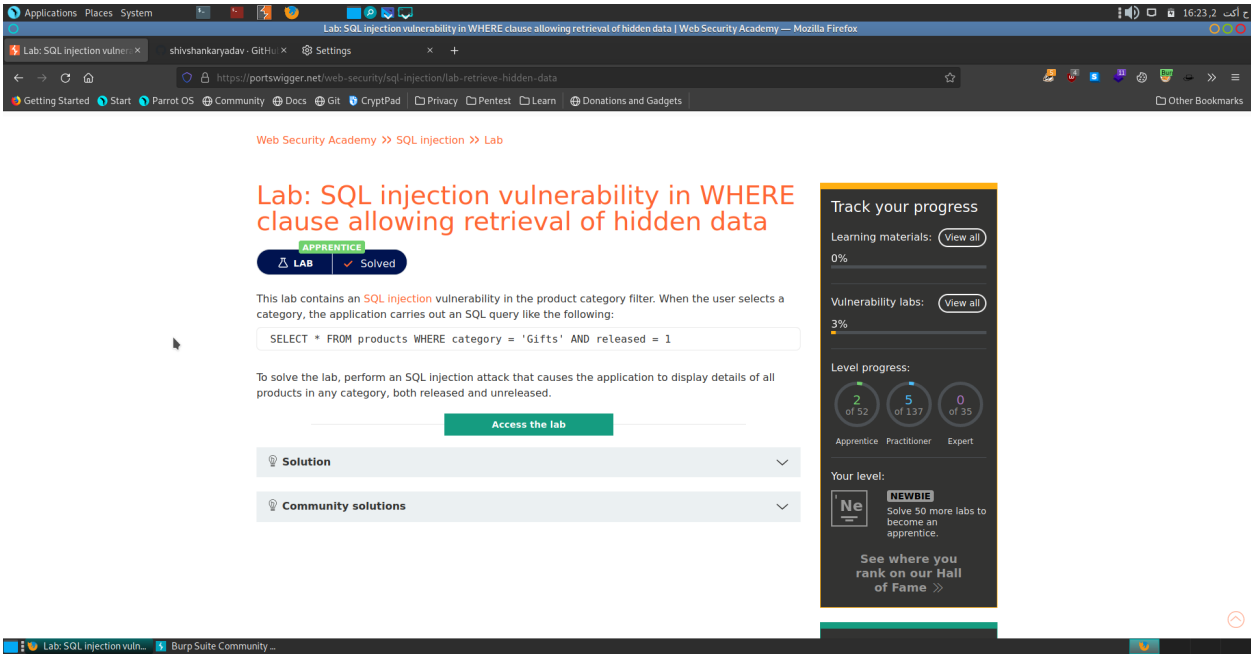
LAB1: SQL injection vulnerability in WHERE clause allowing retrieval of hidden data

This lab contains an SQL injection vulnerability in the product category filter. When the user selects a category, the application carries out an SQL query like the following:

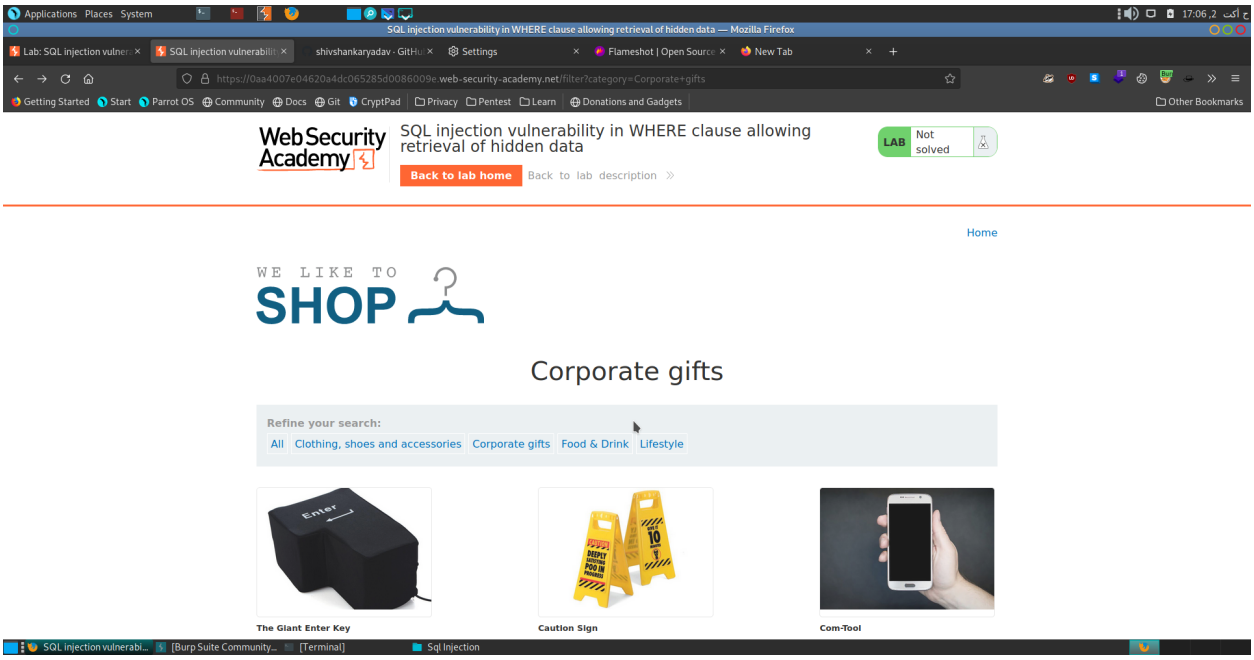
> ✍️ SELECT * FROM products WHERE category = 'Gifts' AND released = 1

To solve the lab, perform an SQL injection attack that causes the application to display details of all products in any category, both released and unreleased.



STEP 1 :

Click on the access the lab



We can see the URL having a category parameter. It has three input clothing, shoe and accessories, Corporate gifts, Foods & Drink and Lifestyle. First I click on all tabs and check the result on page. When I click on All tab it shows all image but other tab only show four image.

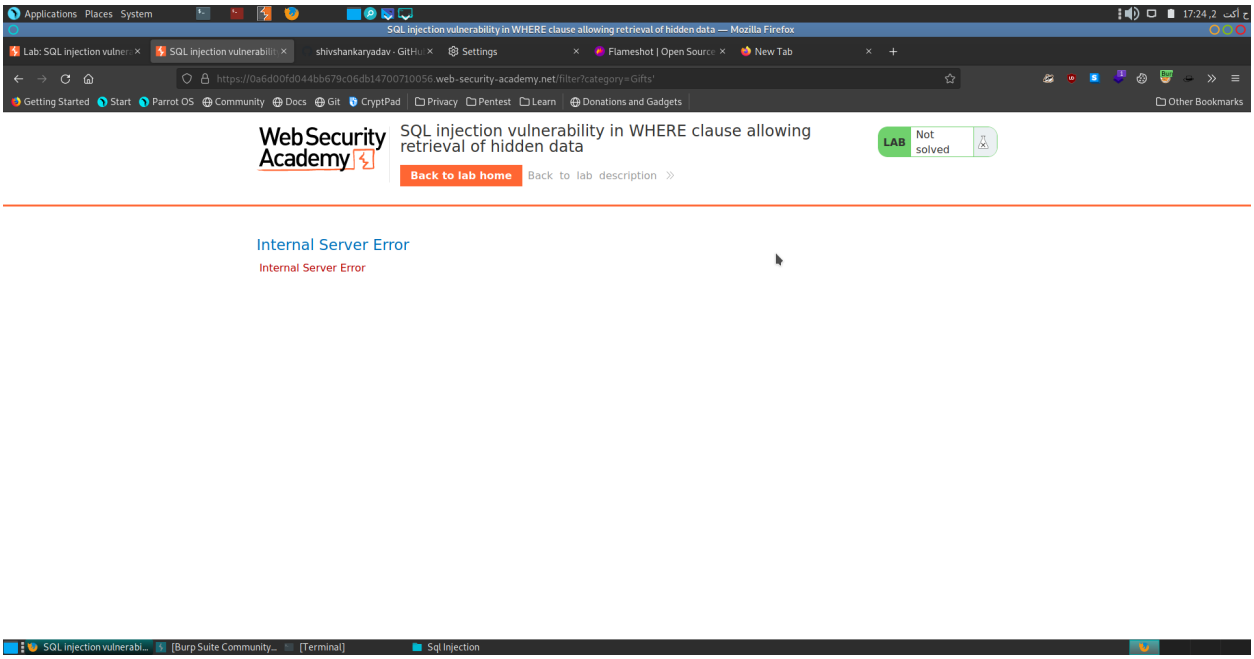
Lets understand the logic behind the lab,

> ✍ SELECT * FROM products WHERE category = 'Gifts' AND released = 1

when released =1 its show all product in any category but when released = 0 it shows only product of particular category. Let's apply sql injection in category parameter.

Step 2 :

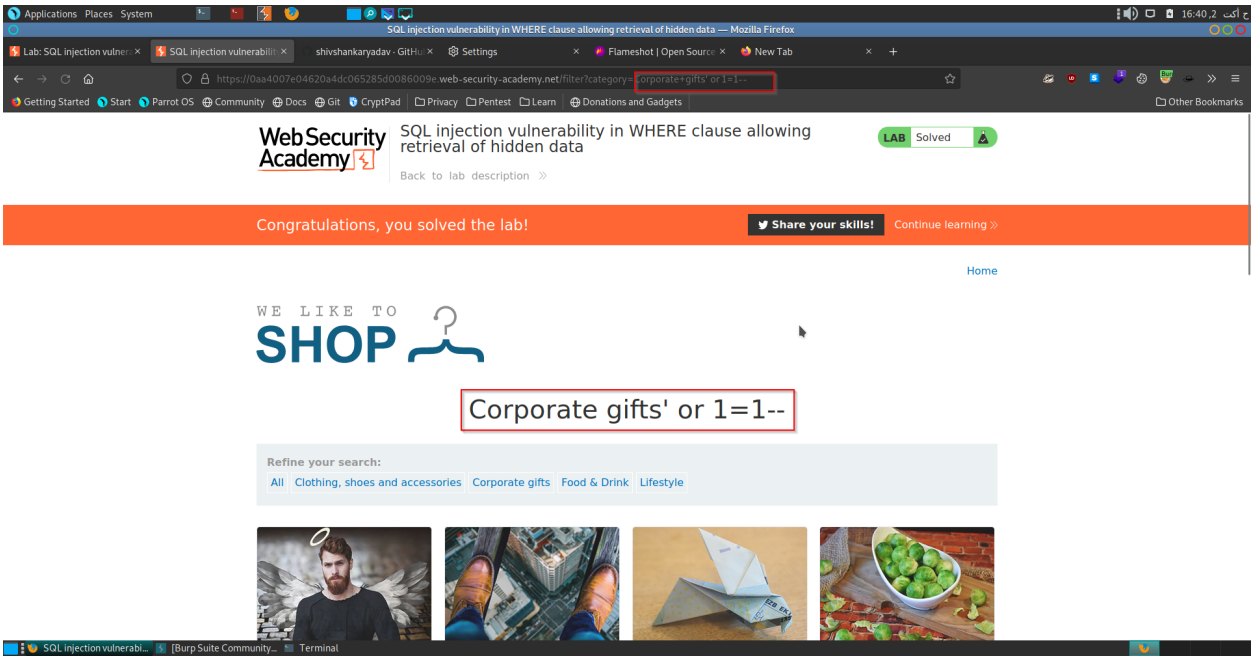
I just put single quote at the end of URL in the category parameter. It throw an internal server error on the application. It clearly means this application having a SQL injection vulnerability.



STEP 3 :

So now its time to exploit the vulnerability. I put a SQL injection common payload after the URL.

✍️ ‘ or 1=1—



Hurrah! Lab has solved