



## Lab Pentest Report

Performed By  
Priyanshu Patel

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End Date: 4 Sep 2023

Contact:  
priyanshupatel2301@gmail.com

**Scope:**

url: <https://portswigger.net/web-security/sql-injection/blind/lab-sql-injection-visible-error-based>

access the lab.

That's where we are gonna perform our pentesting we already know:

1. there's a table named 'users' which has
2. 2 columns username and password
3. they have the administrator's username and password
4. results of the query is not returned on the site
5. tracking cookie id is vulnerable to sqli
6. if query generates error it is shown on site

**Goal Assessment:**

we have to leak the password of administrator and log in as admin in the site to solve the lab

**Attack Perspective:**

aside from the knowledge given by the lab we are performing from the perspective of black box testing

**Attacking The Lab Environment (Attack Steps):**

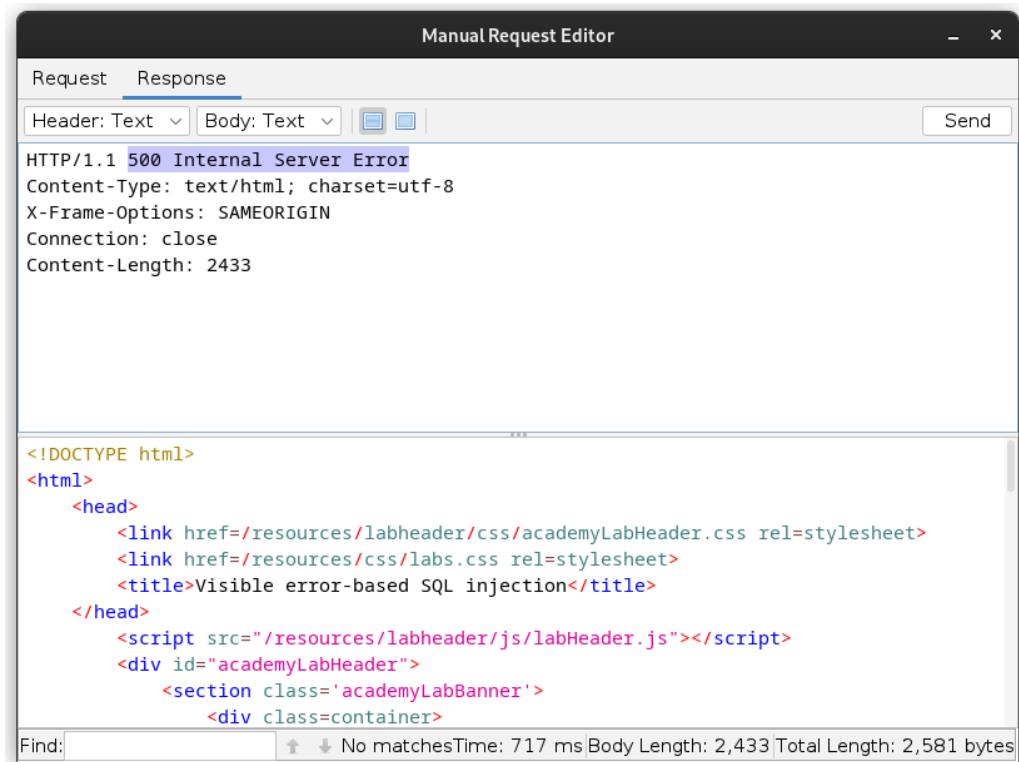
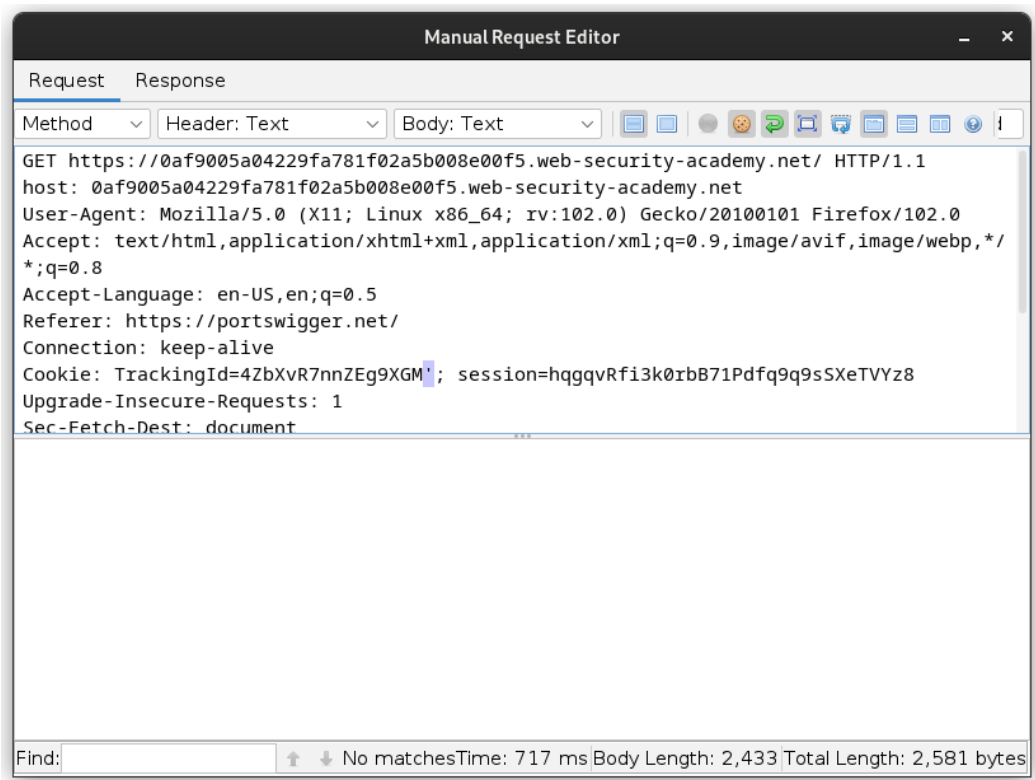
step 1:

checking the vulnerable parameter

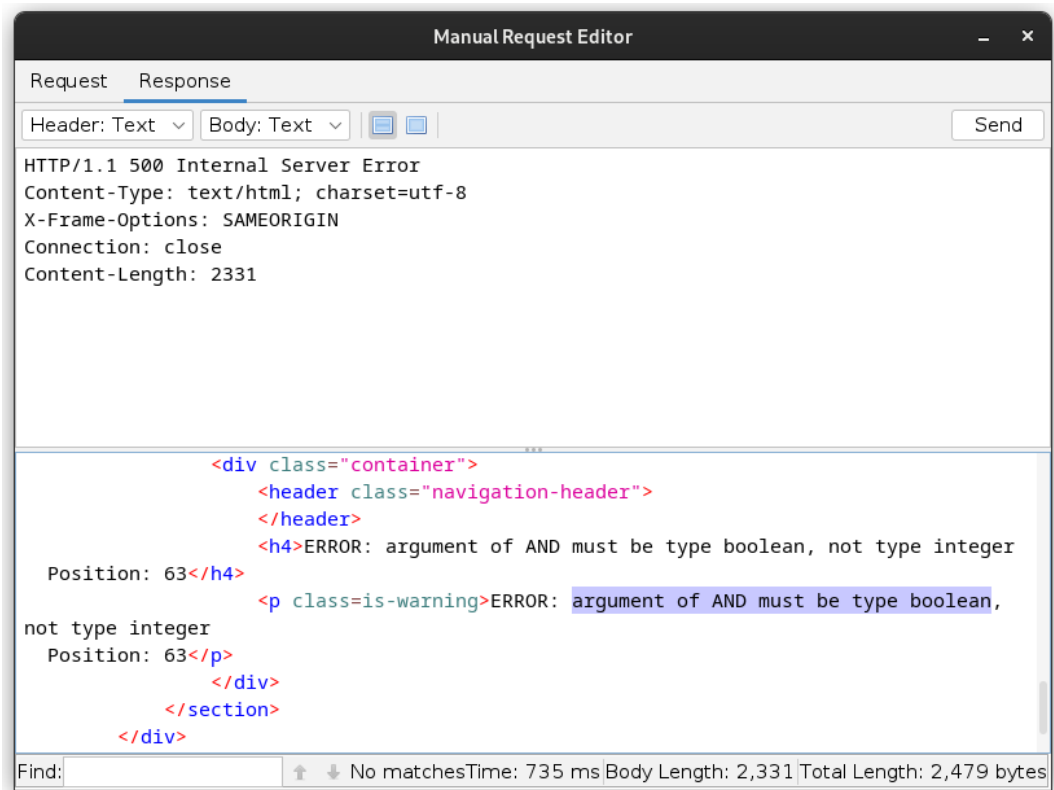
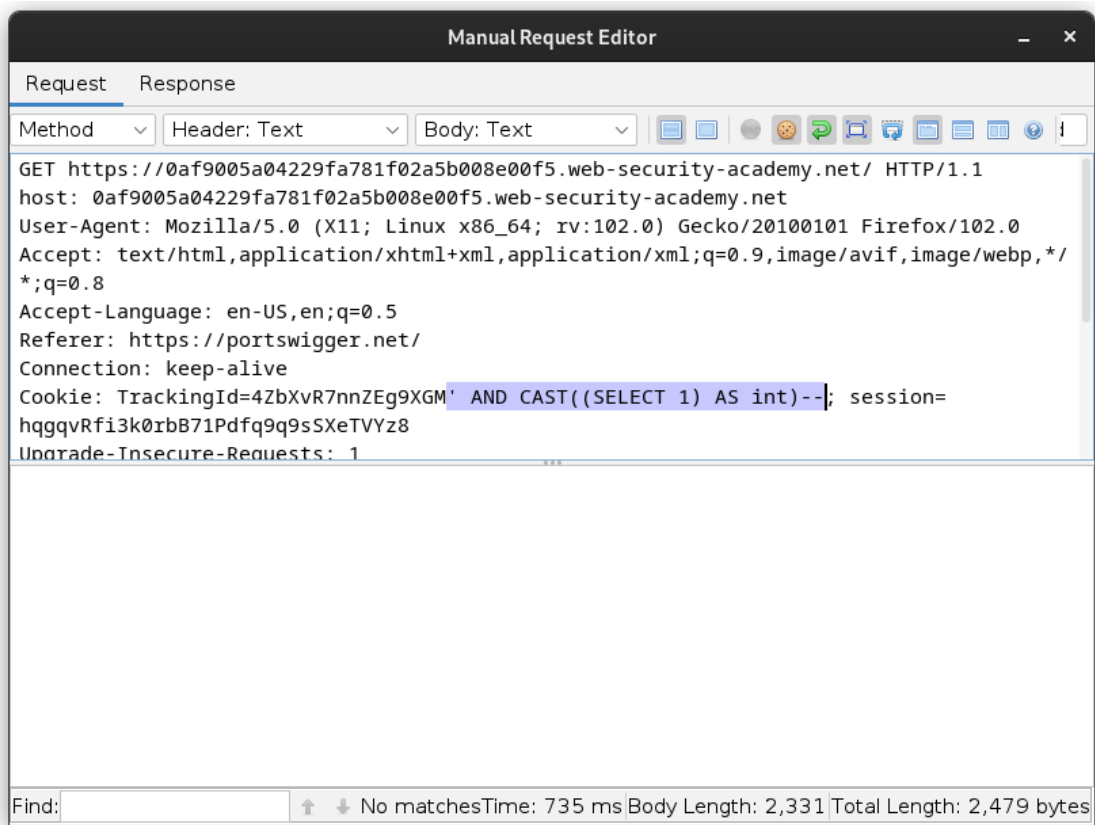
payload: '

if it shows an error means it's vulnerable to sqli

also if we go down we can see the actual error db generates



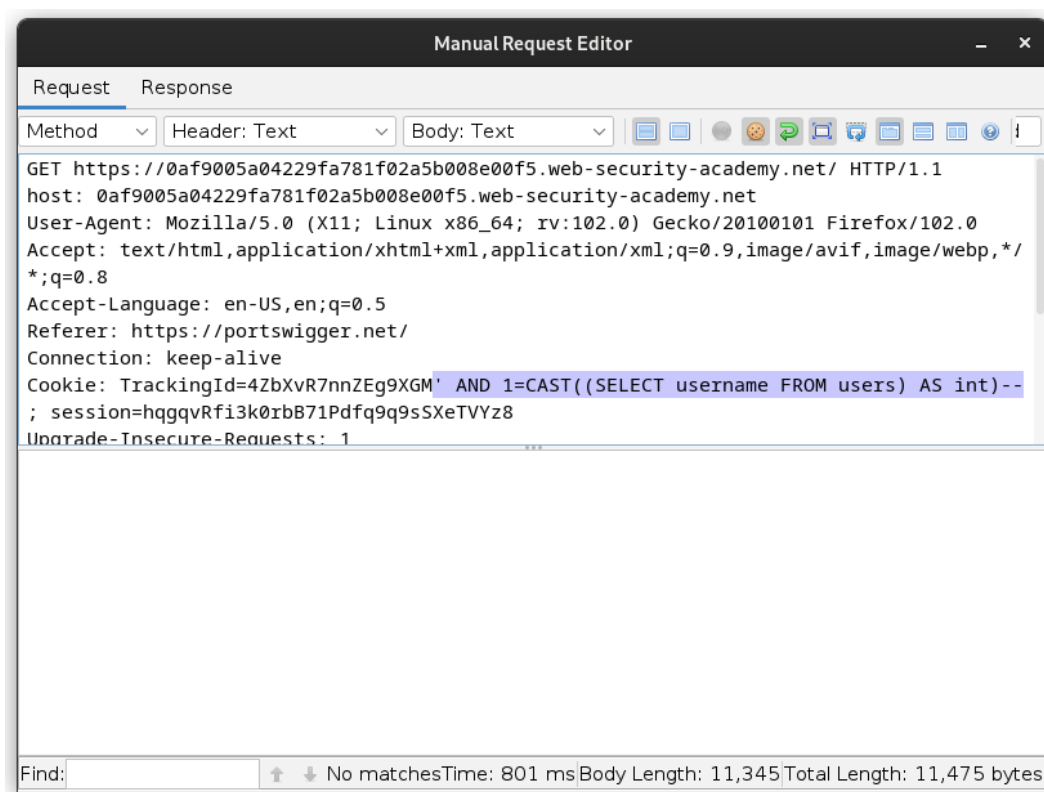
step 2:



so here we can see that the query requires us to do boolean operation so we will add comparison operator for our next payload and as we can see that we are casting the select statement's output as int so it generates an error and we can see that error on the server error page

step 3:

added the boolean comparison operator and selecting username from users table

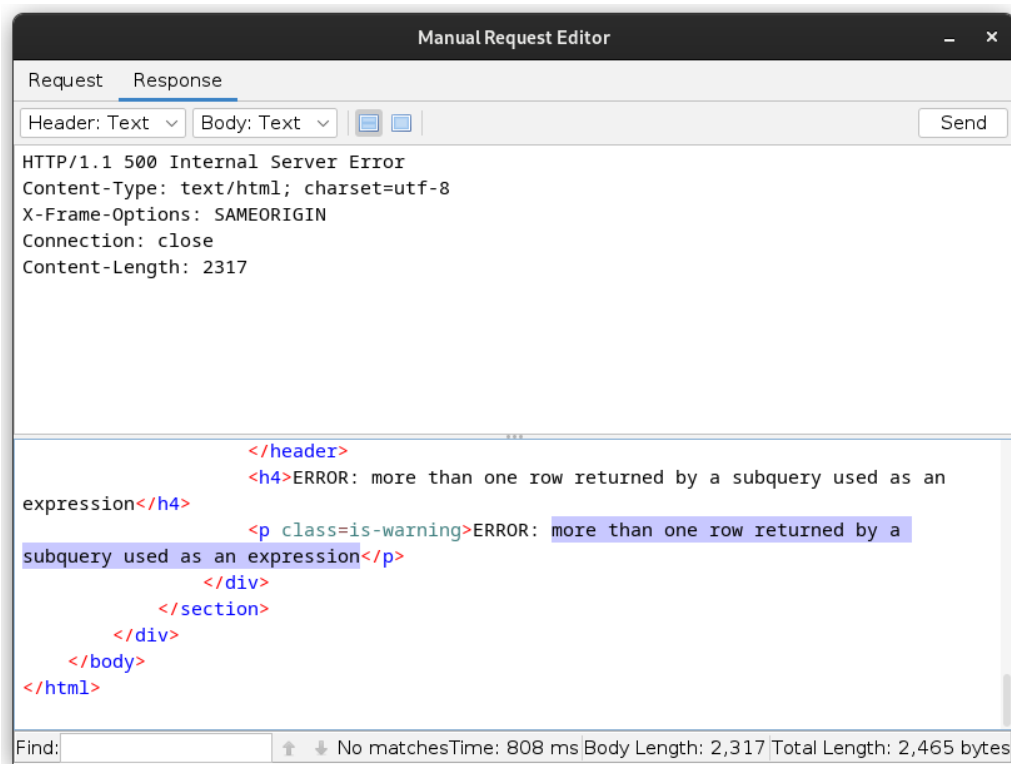
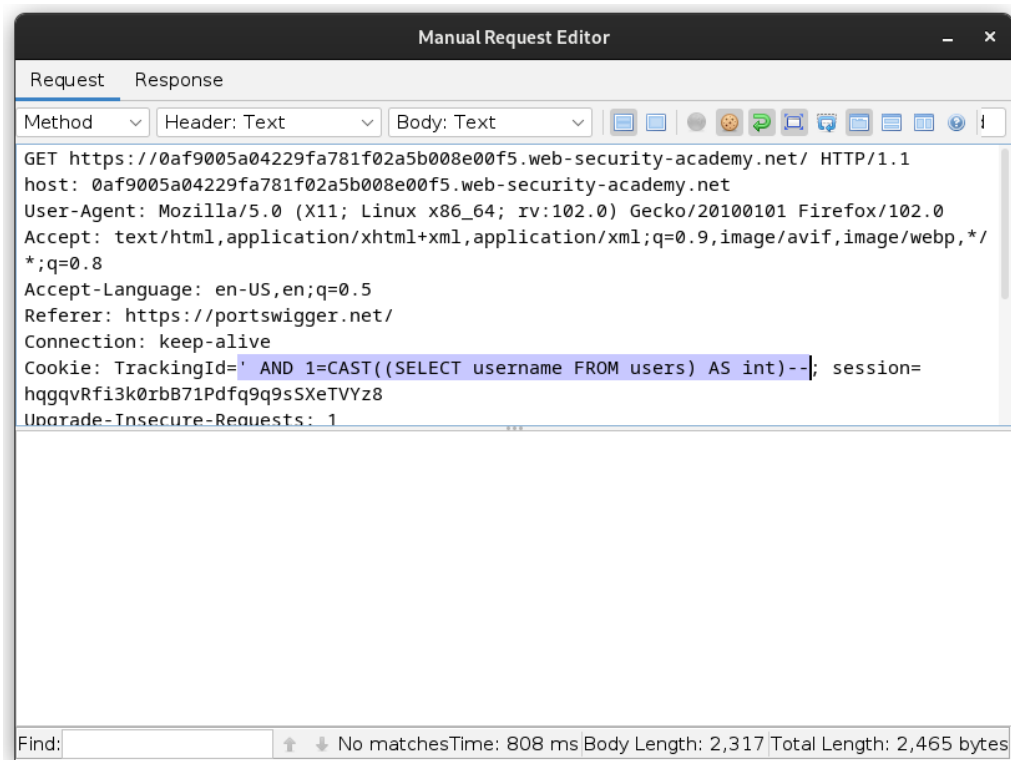


now that we added the comparison operator we will see an error that says we are returning more than one rows which here we are not able to do so let's tweak our payload.

Step 4:

removing tracking id and sending same payload again

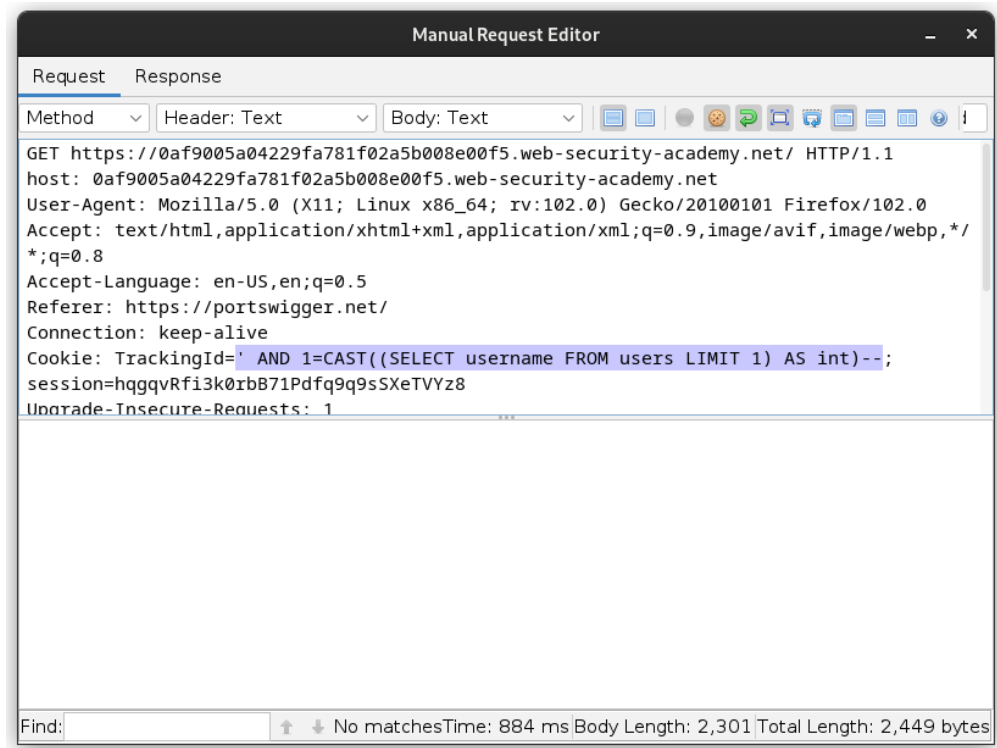
so by removing tracking id we may get more room for our query  
let's check.



We still get the error that we are returning more than 1 row which we can't do

soo

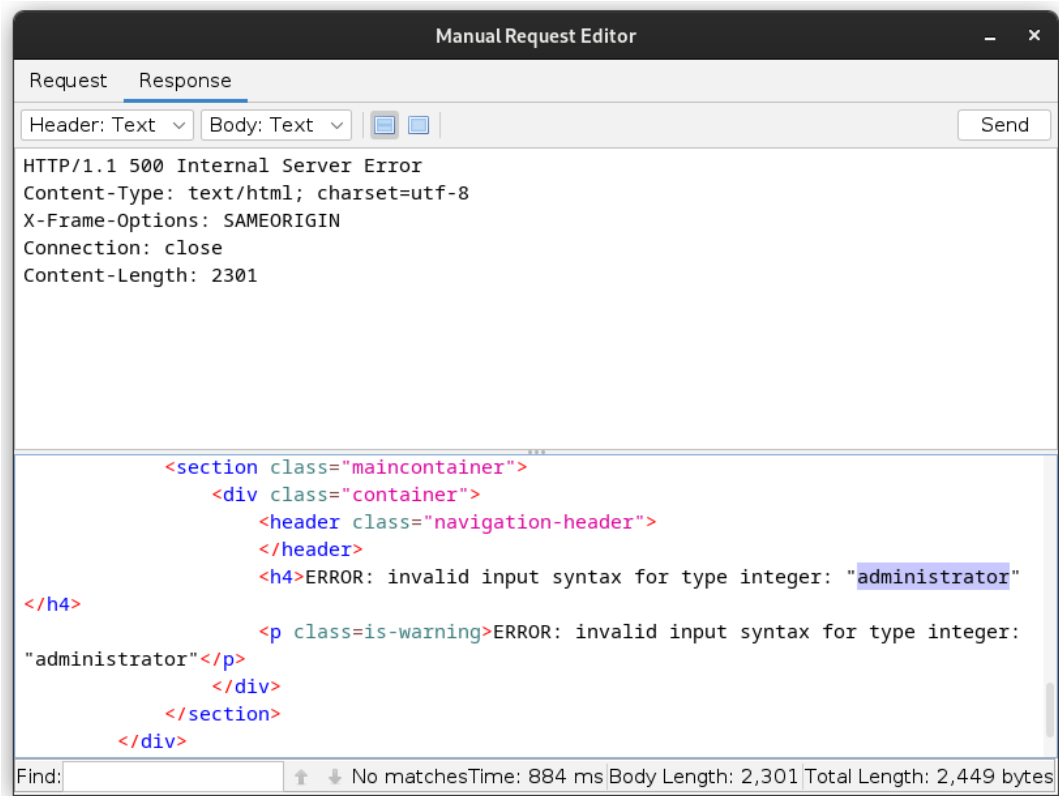
step 5:  
limit the number of rows to 1



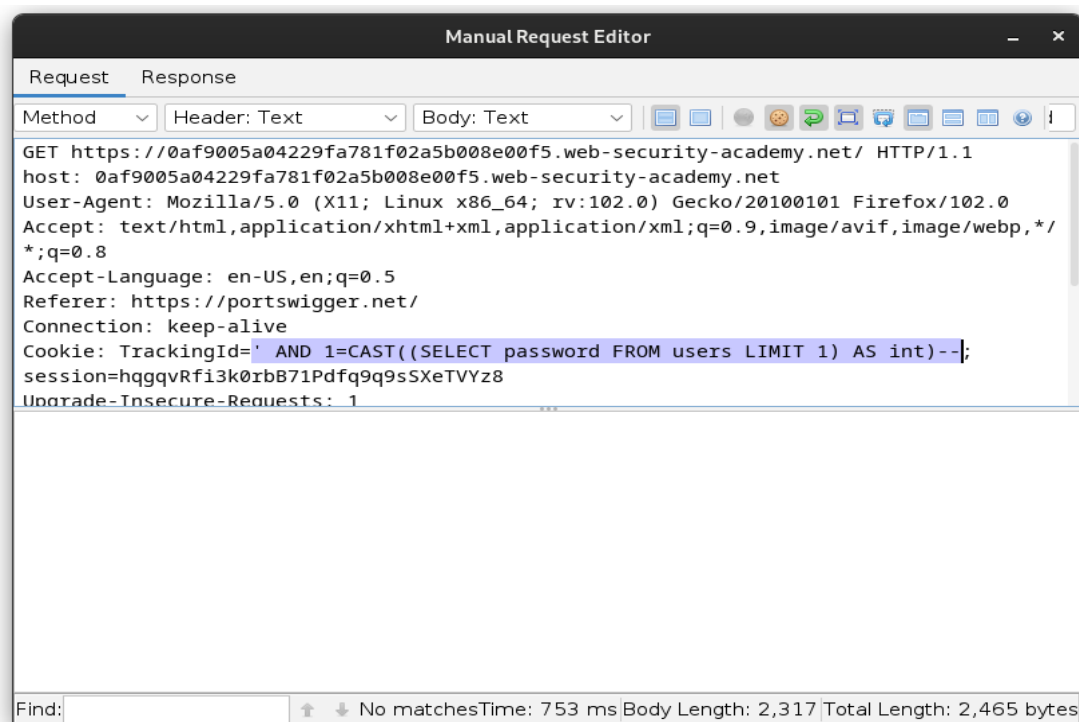
so here in our new payload we limit the number of rows returned to 1 so we won't get that previous error anymore

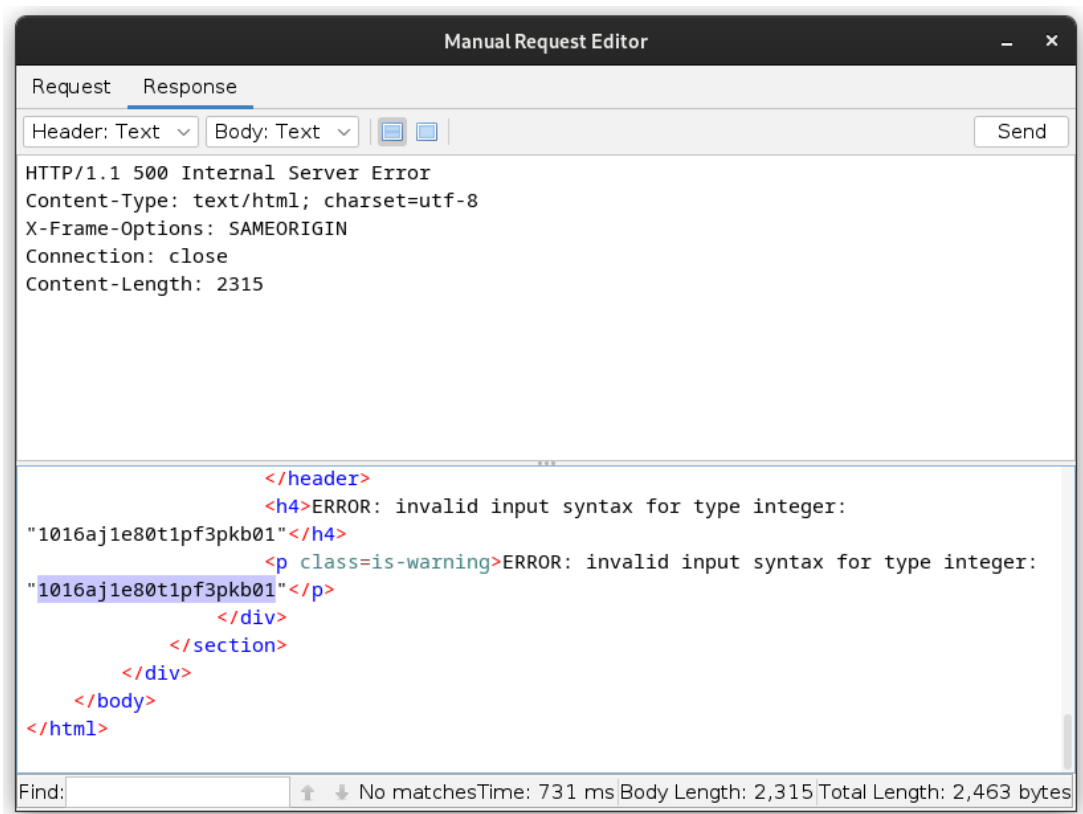
and we are assuming here that the 1<sup>st</sup> row in username column is administrator if it is then it will show in our error message.





We confirm that username administrator is exist and its in 1<sup>st</sup> row of the column so password of that must be 1<sup>st</sup> in the column too so now we retrieve password using the same payload but change the column name to password.





And as we see here we got the password the only thing left to do is use this and log in into the site to solve the lab.



Visible error-based SQL injection

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LAB Solved

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## My Account

Your username is: administrator

Email

[Update email](#)

Done we have successfully solved the lab.

--END--